



PART 3 - SHOP DRAWINGS, ALL KITS

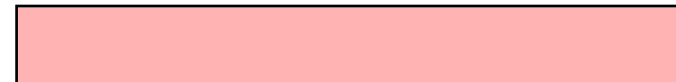
# Preliminary

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ALL PAGES

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SHEET NUMBER:  
PART 3 - SHOP DRAWINGS, ALL KITS



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SHEET NUMBER:  
REQUEST TO EMAIL IF INTERESTED IN WORK



PLEASE EMAIL ME IF YOU ARE INTERESTED IN THIS WORK:

300X3@POSTEO.NET - SCOTT WIDMANN





**PART THREE**

**( TOMORROW: 2D/3D  
FABRICATION  
DRAWINGS )**

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SHEET NUMBER:  
TOMORROW: 2D/3D FABRICATION DRAWINGS

**LET NO-ONE DISQUALIFY YOU.**

NOTHING HERE IS RIGHTEOUS, IT IS ONLY AN OPTION BASED ON WHAT I HAVE ALREADY DONE IN THE HOPES THAT KNOWLEDGE AND WORK FROM THE PAST CAN SOMEHOW BE MADE USEFUL.

EACH OF US WAS PURCHASED WITH A PRICE, A PERFECT LIFE THROUGH IMPOSSIBLE SUFFERING AND REJECTION. YOU ARE LOVED BY SOMEONE WHO LOVES YOU MORE THAN ANYONE ELSE, AND THAT PERSON IS CHRIST (NO STAND-INS OR SUBSTITUTES, EVER) - RELY ON THAT.

DO NOT PURSUE THIS WORK WITHOUT A PARALLEL PURSUIT OF TRUE FAITH, AND IF YOU DO DECIDE TO PURSUE TRUE FAITH - I PROMISE YOU THE HOLY SPIRIT WILL UNEARTH BETTER GIFTS THAN ANYTHING SHOWN HERE.

USE THIS WORK IF IT ALIGNS WITH: YOUR GOALS, YOUR GIFTS, YOUR CALLING, AND YOU COMMUNICATE YOUR INTENT IN WRITING (PLEASE USE EMAIL) TO THE ORIGINAL AUTHOR - MYSELF AND THOSE CITED.

DETAILS FOR THIS WORK AND HOW TO CREATE IT IN A LINEAR FASHION ARE INCLUDED HERE STARTING WITH APPENDIX A "PRODUCT ROADMAP." THIS IS A STRAIGHT FORWARD PATH FROM A BAG TO A HOME, AND IT COSTS LESS THAN MOST OF THE COMMON OPTIONS IN CALIFORNIA. MORE IMPORTANTLY - IT SCALES UP, WHILE INCREASING QUALITY OF LIFE (CHEAPER OPTIONS OFTEN DO NOT.)

THIS CONTENT IS EXPECTED TO BETTER INFORM PEOPLE ABOUT WHAT WE TRULY USE INSTEAD OF WHAT IS EASY TO GIVE AWAY OR TO PURCHASE AND STORE. I RECOMMEND FOCUSING ON LAND AND LONG TERM INVESTMENT FIRST (NONE OF MY NON-LAND LIVING INVESTMENTS HAVE APPRECIATED FINANCIALLY) BUT THAT TOO IS A PERSONAL DECISION. OTHER OPTIONS EXIST - DOWN TO WOOD FIRES AND STRAW HOMES, SUCH A LIFESTYLE IS EASY TO APPROACH AND HARD TO MAINTAIN - PARTICULARLY AS WE AGE AND MULTIPLY (FUEL/LAND TYPICALLY BECOME SCARCER AND DIRTIER.)

ADDITIONAL FABRICATION DETAILS ARE PENDING AND WILL BE POSTED ON 300X3.COM AS PRODUCTS ARE CREATED AND REVISED. THE OVERALL INTENT OF THIS WEBSITE IS AN INCREASE IN INDEPENDENCE FROM LARGE ORGANIZATIONS WITH VALUES AND ACTIONS THAT CONFLICT WITH BOTH THEIR OWN MISSION STATEMENT AS WELL AS OUR PERSONAL ETHICS - WHETHER BUSINESSES, GOVERNMENTS, OR SOCIETAL. OUR PERSONAL PROBLEM BEING - WE BELIEVE ONE THING, AND WE DO THE OPPOSITE BECAUSE OF VARIOUS PRESSURES WHILE CONSUMING MORE AND INCREASING DENSITY WITHOUT DEALING WITH THE LONG TERM IMPACTS OF OUR DECISIONS - ESPECIALLY ECONOMICALLY. THESE DAYS WE ARE DOING THE OPPOSITE MORE OFTEN THAN WHAT WE KNOW IS RIGHT - CHANGE.

 I HOPE YOU CHOOSE TO READ AND CRITICALLY ANALYZE WHAT IS HERE AND TO BUILD OR BUY WHAT IS USEFUL TO YOU.



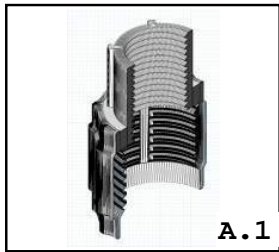
APPENDIX A

DETAILED PRODUCT  
ROADMAP

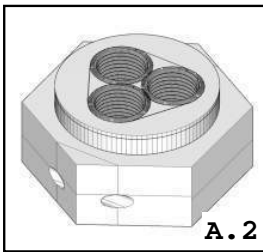
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SHEET NUMBER:  
APPENDIX A: DETAILED PRODUCT ROADMAP

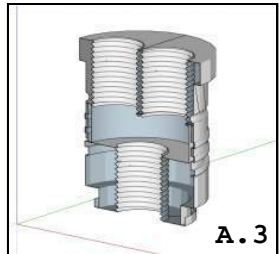
SUPPORT DEVELOPMENT OF OTHER SMALL  
BUSINESSES WITH RELATED PRODUCTS



A.1



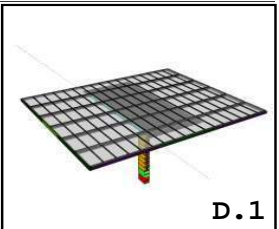
A.2



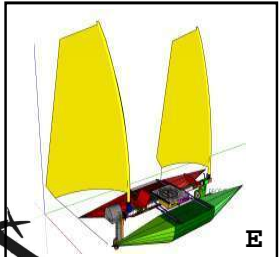
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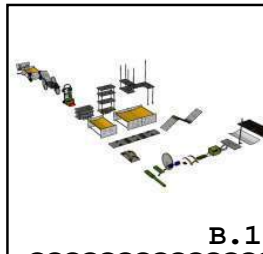
C.1



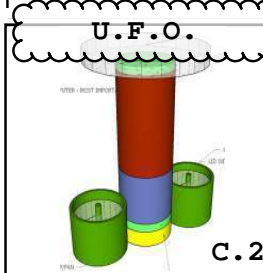
D.1



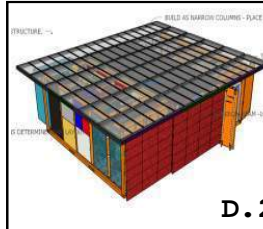
E



B.1



C.2



D.2



J-N

SHEET NUMBER:  
APPENDIX A: DETAILED PRODUCT ROADMAP

PRODUCT DEVELOPMENT PRIORITY (ROADMAP):

- A.1 .5 IN SODA CAP ADAPTER  
\*HYDRATION BAG & STANDARD PLUMBING  
A.2 .5 IN NALGENE LID ADAPTER  
\*PORTABLE PRESSURECOOKER + PROCESS PIPING  
A.3 .5 IN STANLEY LID ADAPTER  
\*DUPLICATE OF NALGENE LID FOR COOKING  
B.1 16"X32" DC ELECTRIFIED PERFORATED  
PANELS (SANDWICHES)  
FURNITURE AND ADDITIONAL SMALL VEHICLES  
\* CUSTOM FURNITURE, GOKART, DOLLY  
C.1 A.R.M. COMPUTER 120Z CAN CASE  
\* MOBILE PHONE, LAPTOP, FUSELAGE  
C.2 A.R.M. CAN COMPUTER CONVERSION TO:  
AUTOMATED CANBOT - CAR/TANK, MULTIROTOR  
COPTER, PLANE, SUBMARINE  
\* RC TOY VEHICLES  
D.1 600SF INTEGRATED CONTAINER ROOF  
INCLUDING: STRUCTURE, DC, AIR/HVAC,  
SOLAR, LIGHT & HVAC FIXTURES  
\* ROOF OR PARKING LOT SOLAR AWNING  
D.2 REMAINING BUILDING SHOP DRAWINGS FOR  
600SF WORKSHOP FROM 20' ISO SHIPPING  
CONTAINERS, SUBMISSION TO CITY  
\* WORKSHOP, MARKET, HOME, UTILITY, CIVIC  
BUILDING, "FRANCHISE"  
E. SUBMERSIBLE CATAMARAN KIT:  
FOUR PERSON AT 16'X8'  
\* AIRCRAFT CARRIERS AND RECREATION CRAFT  
J. CONTINUED WORK ON ARM COMPUTER FOR  
BUILDING MANAGEMENT SYSTEM - LOCKS,  
ELECTRICITY, HOT WATER, UTILITY  
MEASUREMENT, PAYMENTS. WORK TO MAINTAIN  
.PDF FILE TYPE AS SINGLE FILE TYPE USED.  
K. INTERACTIVE PDF INSTRUCTION MANUALS  
FOR USE CASES AND ASSEMBLY.  
L. VEHICLE LIDAR / LASER RANGE FINDER  
REALITY CAPTURE TO POINTCLOUDS AND  
ORTHOPICTURES IN PDF.  
M. FIELD TESTING - REALITY CAPTURE (AIR,  
LAND, WATER.) FISHING DURING 300 MILES IN  
3 DAYS + LIDAR TESTING IF DOING GREAT.  
N. COMMERCIAL USE AND SALE.

"\*" = EXISTING PRODUCT TO BE CHANGED

ANCILLARY:

- BIBLE STUDY  
- BOOK OF CONCORD  
- LUTHERANISM  
- LUTHERAN STUDY BIBLE  
PROPERTY IDENTIFICATION  
- FLYERS, GIS, LISTINGS,  
- CITY DOCUMENTS/PERSONNEL 91941, 91942  
SOCIAL COMMENTARY ARTICLES  
- CARVE OUT A NICHE  
TEACHING & DEVELOPMENT OF INTEREST  
- COMMUNICATE THIS EFFORT TO OTHERS, FIND  
HARD WORKING LIKE MINDS WHO WANT TO CREATE  
TOGETHER WHILE STARTING THEIR OWN BUSINESS,  
THOSE WHO CHOOSE TO BE SLAVES TO  
RIGHTEOUSNESS.  
FITNESS  
- 2 HOURS A DAY  
- PRIMARILY: BIKE, ROW, WALK, SWIM  
- PREFER: SAIL & PADDLE  
- FALL BACK ON: CABLES, WEIGHTS, SAUNA  
CAR REPAIRS & PERSONAL NEEDS  
- SMALL PROJECTS & PART-TIME JOBS  
FINANCING  
- BANK  
- PRIVATE & CROWDSOURCED  
CITY RESOLUTIONS  
- LA MESA, EL CAJON & YOUR CITY.  
- OPTION 1: REMOVAL OF ZONING REQUIREMENTS  
FOR SPECIFIC LOCATIONS.  
- OPTION 2: REZONING FOR THREE PARKING  
SPACES (600SF) - TRANSITION TO LIVE/WORK  
NEAR THE HIGHWAYS OR MAIN ROADS.  
GET ON THE WATER  
- I'M BUILDING A BOAT, TO INTEGRATE ALL  
PREVIOUS PRODUCTS INTO PRODUCT E. A 20'+/-  
LONG MICRO MODULAR AIRCRAFT CARRIER  
INTENDED TO GO 300 MILES AROUND SAN DIEGO  
COUNTY IN 3 DAYS BY 3 WAYS: BOAT, BIKE, AND  
WALK.

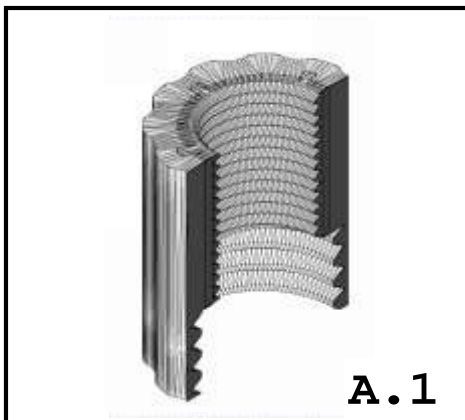


## PRODUCT

## USE CASES

## COMPUTER TYPE & USE

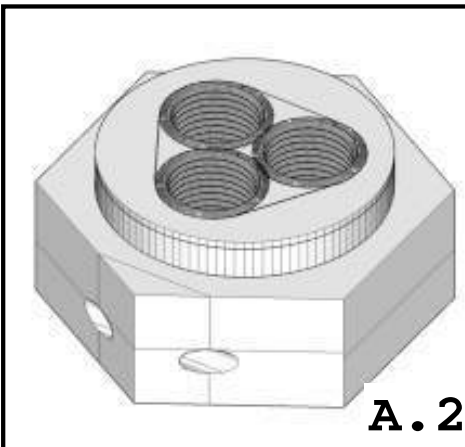
## EXISTING MARKET



### A.1. SODA CAP ADAPTER TO .5IN NPT

- NONE

- HYDRATION BAG
- WASTE COLLECTION (OIL & URINE)
- SIPHON START (GAS, WATER)
- SALT WATER EMBALMING
- PRESSURE HOLD (BOTTLE ROCKET, WATER WHEEL, AIR PINWHEEL)



### A.2. NALGENE LID ADAPTER TO .5IN NPT

- TEMPERATURE

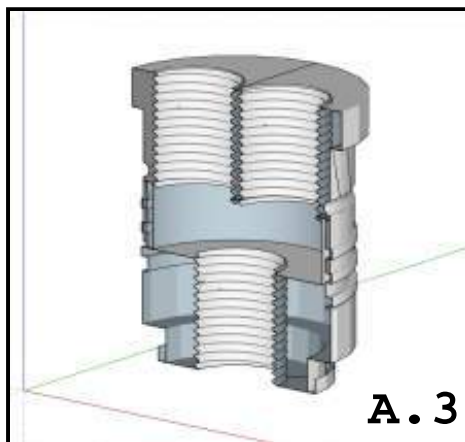
- H2O DRINKING: TUBE & STRAW
- H2O BOILING: HEATING ELEMENT, TEMP & PRESSURE RELEASE
- STEAM COOKING: PRESSURE COOKER
- HEATING: ELECTRIC OR FIRE
- STEAM SANITIZING: SCALPEL OR INSTRUMENT
- FUEL TANK: MOPED, MOTORCYCLE, LAWNMOWER, GENERATOR, REPLACEMENT FOR EXISTING.
- CAPACITOR OR BATTERY: CATHODE, ANODE AND FILL/ELECTROLYTE

- PRESSURE

- FILL LEVEL

- HEATING ELEMENT

- ON/OFF



### A.3 STANLEY THERMOS LID ADAPTER TO .5IN NPT

- NONE

- STEAM CIRCULATION (COOKING) IN THROUGH HOLE A, OUT THROUGH HOLE B.

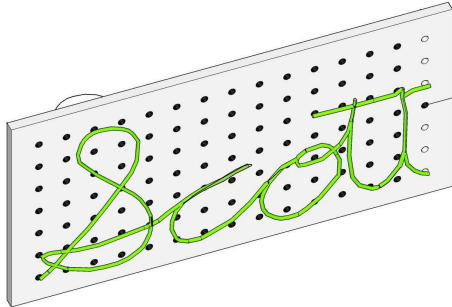


PRODUCT

USE CASES

COMPUTER TYPE & USE

EXISTING MARKET



**B.1. NEON SIGN (DC BACKER)**

- BUSINESS SIGN
- AREA LIGHTING
- SIGN ALONGSIDE ITEMS FOR SALE (TIE ON OR PEG)
- MOTORIZED ITEMS ON BOARD ALONGSIDE LIGHT FOR DISPLAY OF FEATURES OR AS DYNAMIC SIGNAGE.

USB A&C PLUG

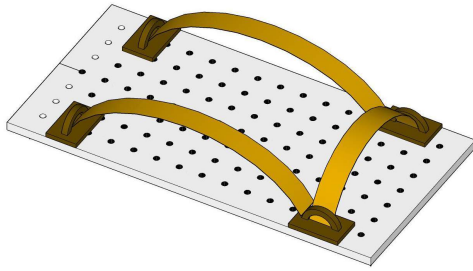
DC POWER PLUG

**B.2. BACKPACK FRAME**

**- STEP, HILL, OR ROCKY TERRAIN CARRY & TIE ON**

- HUNTING KILL CARRY
- HEAVY EQUIPMENT CARRY (FIRE WATER PUMP, CAR BATTERIES, SOLAR CHARGER, SOLAR PANELS, JACKHAMMER)
- BUNDLES: FIREWOOD, BLANKETS
- BINS: ROCK & SAND
- BASKETS: GATHERING (FRUIT, VEGETABLES, BERRIES)
- 5 GALLON JUGS OR BUCKETS: 1-2
- ATTACH SMALLER SATCHELS TO CARRY SMALLER ITEMS

WEIGHT / SCALE



**CAR STORAGE RACK**

**B.3. INTERNAL CAR STORAGE**

- SHELVES
- RAISED PLATFORM
- SLEEPING AREA ON TOP
- TIE-OFFS FOR DRIVING

NONE



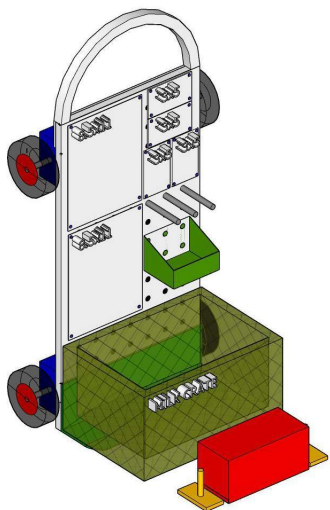


## PRODUCT

## USE CASES

## COMPUTER TYPE & USE

## EXISTING MARKET



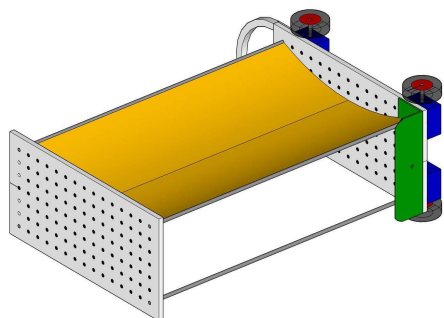
### **B.4. MOTORIZED DISPLAY BOARD AND DOLLY**

- SALES PROMOTION
- PRESENTATION
- PROMOTIONAL MATERIAL CARRY
- SMALL ITEM SALES
- MEDIUM WEIGHT CARRY (STANDARD DOLLY AS TWO OR FOUR WHEELS)
- ELECTRIC GOKART

MOTOR CONTROLS

FWD/REVERSE/SPEED X2

DC POWER PLUG & ON/OFF



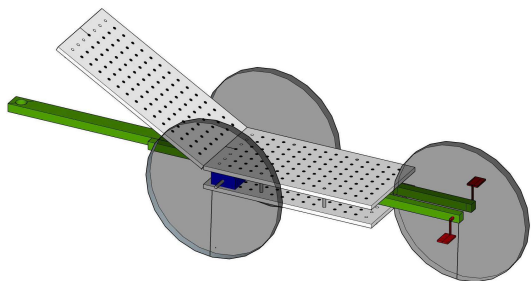
### **B.5. MOTORIZED COT**

- TRAVELING SALES
- WAGON (2 LAYERS OR SECURE WITH LID)
- FORT
- PLACE TO SLEEP

MOTOR CONTROLS

FWD/REVERSE/SPEED X2

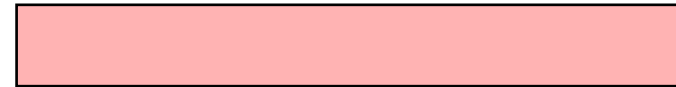
DC POWER PLUG & ON/OFF



### **B.6. RECUMBENT BICYCLE**

- LONGER DISTANCE TRANSPORT (NO BATTERY)
- SUSTAINED RIDING POSITION (HAMSTRINGS AND GLUTES VS QUADS.)
- OPTION FOR BATTERIES OR STORAGE AT DECK BELOW
- HITCHED TRANSPORT FOR A WAGON, MOTORIZED COT, OR DISPLAY BOARD

NONE

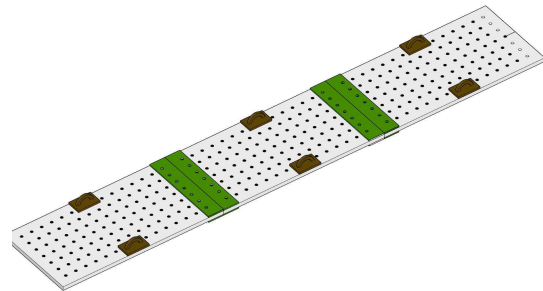


PRODUCT

USE CASES

COMPUTER TYPE & USE

EXISTING MARKET



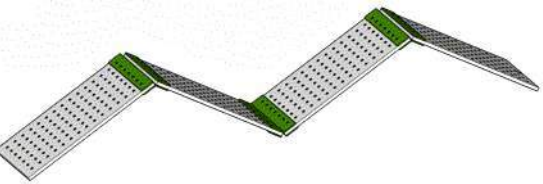
**B.7. STRETCHER**

- INJURED PERSON CARRY
- FLAT AREA FOR SLEEPING PAD AND SLEEPING BAG OR BLANKET (NO SHARPS FROM GROUND)
- RAMP
- BARRIER

BLOOD PRESSURE

HEART RATE MONITOR

DC POWER PLUG

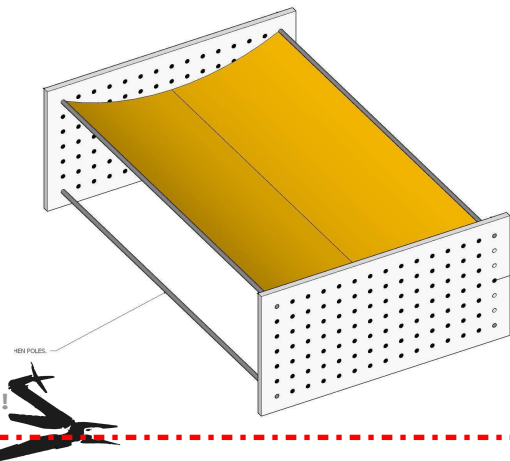


**B.8. LAYDOWN (FAKE SIT-UP) BENCH**

- SLEEPING
- WAITING
- READING
- RELAXING
- TECHNOLOGY USE

USB A & C PLUG X2

DC POWER PLUG

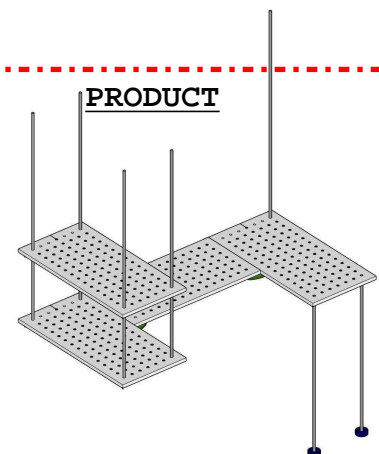


**B.9. COT**

- SLEEPING, QUICK TILT UP = MURPHY BED WITH FABRIC OR SHEET AS THE ONLY VISIBLE ITEM WHEN UPRIGHT (FOR SHOP OR HIDDEN SLEEPING AREA AT A BUSINESS)
- MATTRESS BEDSPRING REPLACEMENT, ADD POLES FOR LARGER MATTRESSES

USB A & C PLUG X2

DC POWER PLUG



**PRODUCT**

**USE CASES**

**COMPUTER TYPE & USE**

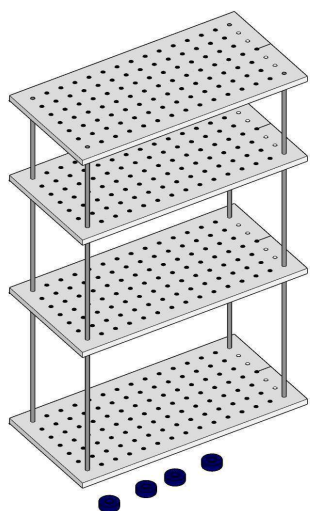
**EXISTING MARKET**

**B.10. HANGING DESK**

- WORKSTATION
- HEIGHT ADJUSTABLE TO FIXED POSITION (LIMIT ADJUSTMENT TO MONITORS & KEEP A SPLIT KEYBOARD ON THE THIGHS WITH VELCRO WHILE STANDING, OR SET A SECOND SHELF TO TYPE ON)
- STANDING OR STOOL ONLY, NO NEED FOR AN OFFICE CHAIR

USB A & C PLUG

DC POWER PLUG

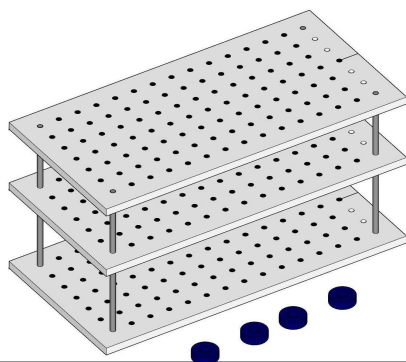


**B.11. HIGH SHELVES**

- ADJUSTABLE STORAGE
- .5IN THREADED RODS, OR THREAD YOUR OWN POLES TO OFFSET SHELVES TO ANY HEIGHT
- PRODUCT DISPLAY
- PARTS ORGANIZATION
- DELIVERIES IN/OUT
- CORD + CURTAINS TO COVER
- PIPE OVER THREADED ROD FOR FINISHED DOORS

USB A & C PLUG

DC POWER PLUG



**B.12. LOW SHELVES**

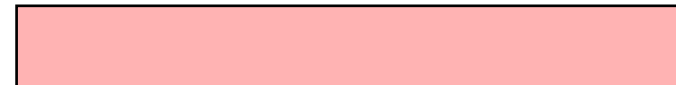
- MEDIA DISPLAY
- COFFEE TABLE
- GAME TABLE
- WAFER PROJECTS: CHEMISTRY, ELECTRONICS, RUBE GOLDBERG

USB A & C PLUG

DC POWER PLUG

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SHEET NUMBER:  
CANRAD - CONTROLS OPTIMIZATION



#### ALL PUCKS:

ON/OFF AND POWER LEVEL DIAL  
FOR OPERATION WITHOUT COMPUTER

#### LOCKING / CONNECTING RING:

FRICTION FITTING LARGE CIRCLE TO SMALL  
CIRCLE, RUBBER O-RING BETWEEN, WITH OUTER  
LOCKING THREADS AND COLLAR

ALLOWS FOR STANDARD USB-C PLUG CONNECTION,  
WATERPROOFING, AND STRONG STRUCTURAL  
CONNECTION

#### CONTROL PUCK:

#### LCD (BASIC NUMBERS) - FINGERPRINT PUCK FROM ARDUINO?

TEMPERATURE  
MOTOR SPEED - RPM  
OPERATIONAL HOURS  
VOLTAGE  
LAT/LON  
TIMER  
WATCH  
WEIGHT  
DISTANCE

RUNNING PROGRAM (=NAME OF EACH USE CASE)

#### BUTTON

ON/OFF  
MODE

#### DIAL

SPEED  
TEMP  
PRESSURE

#### ADAPT TO ATTACH TO NALGENE LID

#### BUTTONS FROM:

AN INSTANT POT  
A RADIO  
A FLASHLIGHT  
BATTERY CHARGER  
NOT A CAR

#### LED

ON/OFF



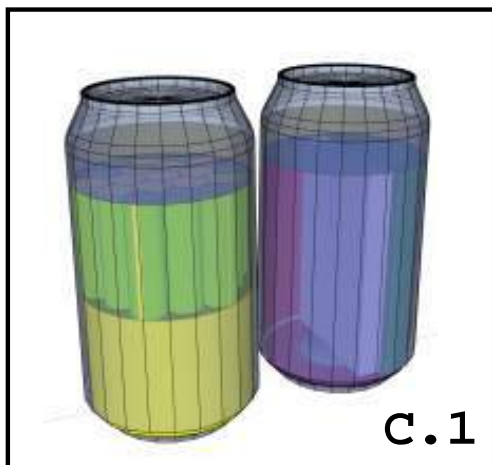


## PRODUCT

## USE CASES

## COMPUTER TYPE & USE

## EXISTING MARKET



C.1

### C.1.0. PERSONAL COMPUTER IN A CAN - ARM COMPUTER ON BOARD

- PERSONAL COMPUTER, STANDARD DESKTOP FUNCTIONS (MOST O.S. OPTIONS)
- LOW LEVEL PDF SUPPORT
- MIXED REALITY MEDIA
- PRODUCT INSTRUCTIONS
- PDF EDITOR AS OPERATING SYSTEM & INTERNET BROWSER OR LINUS/PI/ETC.
- WATERPROOF
- RADIO TUNER
- REPLACEABLE ENDS WITH 4 PIN CONNECTORS (2 LOW VOLTAGE, 2 HIGH)
- USB-C AND 4 PIN @ END LENS MOUNT LOCKS.

PERSONAL COMPUTER:  
PI, DRAGONBOARD 845C,  
96BOARD STANDARD - ANY  
2.5" X4" BOARD MAX  
FOOTPRINT

ON/OFF

### C.1.A. LIGHTS - RED, GREEN, WHITE

- AREA LIGHT
- DIRECTIONAL LIGHT
- TURN SIGNALS
- BRAKE LIGHT
- DANCE LIGHT
- TRICOLOR BOATING / SAILING
- SOS LIGHT
- COMPUTER CONTROLLED

LIGHT DRIVER  
ACCELEROMETER  
USB-C CONNECTOR  
MODE SWITCH

### C.1.B. RADIOS

- LISTEN: AM/FM
- COMMUNICATE: UHF/VHF
- INTERNET ACCESS: WIFI
- CELLULAR DATA OPTION

ANTENNAES  
ANTENNAE CHIPS  
2.5mm AUDIO IN  
2.5mm AUDIO OUT  
USB-C

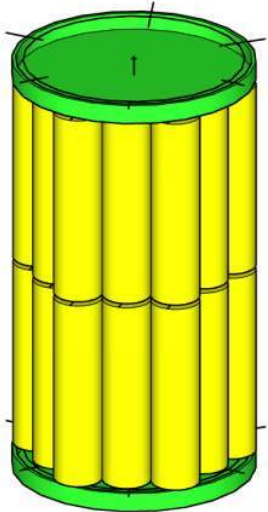


PRODUCT

USE CASES

COMPUTER TYPE & USE

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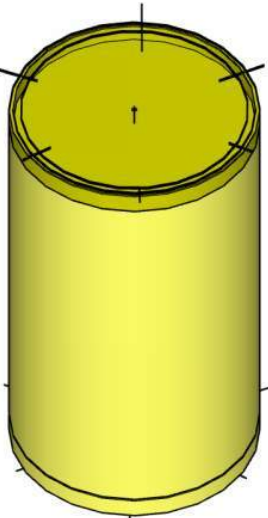


**C.1.L. AA EXPANDED BATTERY  
PACK & DIAL CONTROL**

- EXTEND RUN TIME
- INCREASE AMPERAGE
- STRONGER APPLIANCES
- LONGER OPERATION
- FASTER MOVEMENT
- POWER BANK / STORAGE

LED READOUT: ###  
BATTERY BALANCER  
BUTTON  
4800W MAXIMUM  
OUTPUT...  
USB-C X2  
USB-C X2

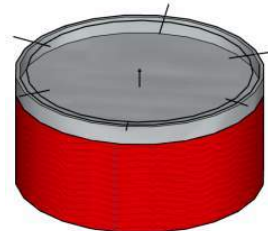
1



**C.1.M. CAPACITOR AND CAR  
JUMPER**

- START CAR
- HOLD EXTRA SOLAR POWER FOR  
BATTERY CHARGING
- HIGHER TORQUE MOTOR SUPPORT  
(GRINDING, MACERATING,  
DIGGING)

LED READOUT: ###  
BUTTON  
USB-C X2  
USB-C X2



**C.1.N. MULTI-FUEL MOTOR:  
ELECTRIC + COMPRESSED AIR  
MIROTURBINE & ALTERNATOR  
(POWER), TIRE @ RIM**

- POWER FROM COMPRESSED AIR,  
GAS, OR ELECTRICITY
- "RIM DRIVEN"
- EMBEDDED PROP, TURBINE,  
ROTOR, MAGNETS, AIRFLOW

ON/OFF/POWER DIAL  
RPMS  
TEMPERATURE  
TOTAL RPM MEMORY  
USB-C X2 (1 DIRECT, 1  
PASSTHROUGH)  
**IS 240W ENOUGH WHEN  
RUNNING THIS +  
PELTIER? NO, IT ISN'T.**



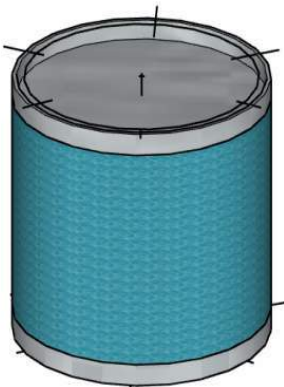


## PRODUCT

## USE CASES

## COMPUTER TYPE & USE

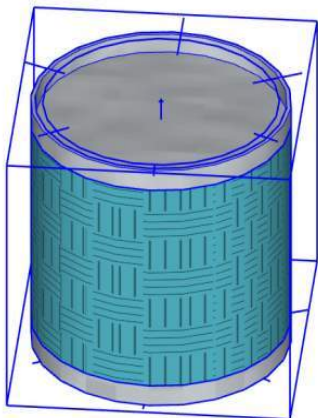
## EXISTING MARKET



### **C.1.C. WATER PUMP AND SCREW IN NOZZLE KIT (DIRTY OR FRESH)**

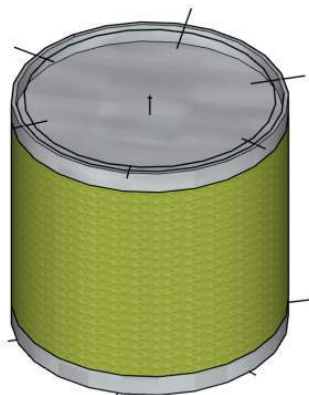
NONE

- DRINKING WATER
- IRRIGATION WATER
- INSECTICIDE SPRAY
- FERTILIZER SPRAY



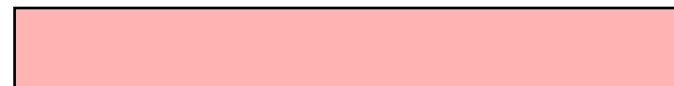
### **C.1.D. FRESH WATER FILTER** - STANDARD REVERSE OSMOSIS MEMBRANE - GARDEN HOSE THREADS WITH ADAPTER TO .5IN NPT THREADS.

NONE



### **C.1.E. DIRTY WATER MACERATOR** - LIGHT DUTY PROSPECTING PUMP - LIGHT DUTY HYDROPONICS PUMP - LIGHT DUTY UTILITY PUMP - LIGHT DUTY BILGE PUMP

NONE



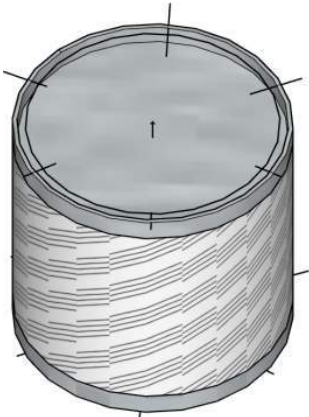


PRODUCT

USE CASES

COMPUTER TYPE & USE

EXISTING MARKET



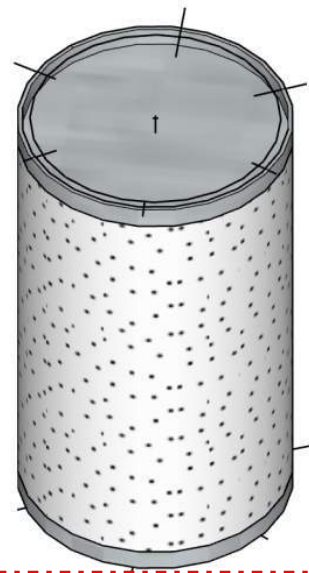
**C.1.F. AIR PUMP & VACUUM**  
- PICK UP TRASH  
- SAMPLE DIRT  
- SAMPLE WATER  
- CLEAN SOLAR PANELS  
- CLEAN FLOORS

USB-C



**C.1.G. PELTIER COOLING & HEATING (AIR & WATER)**  
- 12OZ CAN AND EMPTY  
CANISTER COOLING /  
HEATING  
- OPEN BOTTOM

TEMPERATURE  
USB-C



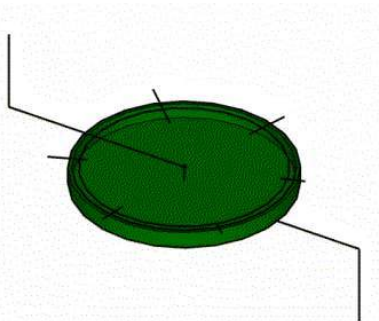
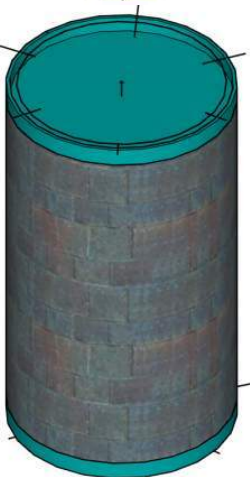
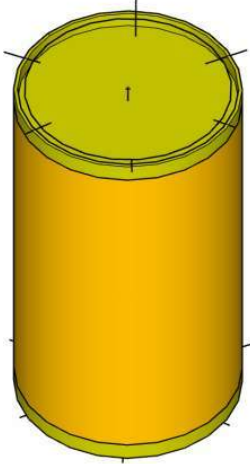
**C.1.H. ICECREAM TUBE MAKER AND IMMERSION BLENDER COMBO**  
- INNER SPATULA WITH FORKED END  
- VACUUM SEALED  
- MAKE ICECREAM  
- BLEND FOODS, POTATOES, SOUPS  
- REMOVABLE TOP & BOTTOM FOR PELTIER & MOTOR

NONE





## PRODUCT



## USE CASES

### C.1.I. AC/DC PLUGS AND INPUT/OUTPUT

- SOLAR GENERATOR UP TO 240 WATT, AND 110 VOLT.
- AC CHARGING
- DC CHARGING
- AC OUTPUT
- DC OUTPUT
- DONGLE OF MULTIPLE DC CONNECTORS (STANDARD +/- BULLET PLUGS)

### C.1.J. ROLLED SOLAR PANELS

- SOLAR PANEL POWER
- PREVENTS DAMAGE TO SOLAR PANELS WHEN ROLLED INTO A CLEAR PLASTIC CYLINDER, UNROLLS FOR MORE CAPACITY.
- OPEN END ON ONE SIDE & THUMB DIVET FOR ROLLING
- VOLTAGE INPUT READOUT

### C.1.K. CRANKS & FLOOR MOUNT

- KINETIC POWER CREATION WITH ALTERNATOR
- DOUBLE OR SINGLE CRANK
- SINGLE CRANK OPTION
- DOUBLE CRANK AS FOOT PEDALS WITH USB-C POWER OUT. BIKE CRANKS.
- FLOOR MOUNT

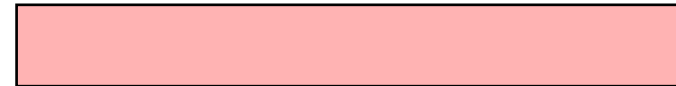
## COMPUTER TYPE & USE

LCD ###  
VOLTAGE INPUT MONITOR  
AC&DC  
VOLTAGE OUTPUT MONITOR  
AC&DC  
BUTTON

LED X3

LED X3

## EXISTING MARKET

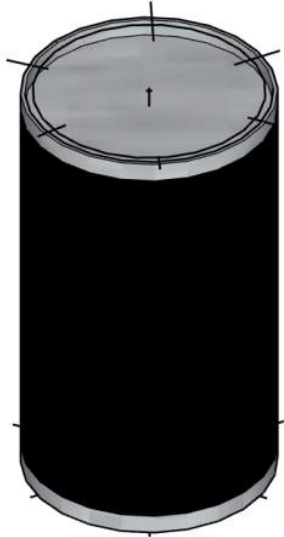


PRODUCT

USE CASES

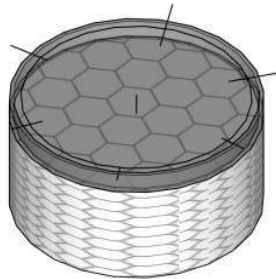
COMPUTER TYPE & USE

EXISTING MARKET



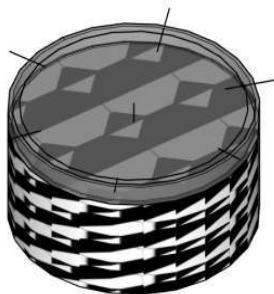
**C.1.O. EMPTY CANISTER**

- STORE ANYTHING FOR DROPOFF AND PICKUP INCLUDING ITEMS THAT REQUIRE SOME COOLING OR HEATING THROUGH PELTIER (POWER INTENSIVE)
- A SLIGHTLY THICKER 12OZ CAN WITH REMOVABLE TOP
- THREAD TOP AT INSIDE OF CIRCUMFERENCE
- ADDITIONAL THREADS AT OUTSIDE OF CIRCUMFERENCE



**C.1.P. RANGE FINDER (LASER SCAN)**

- TOPOGRAPHIC MAPS
- VOLUME CALCULATIONS
- DISTANCE MEASUREMENTS
- AUTOMATED MOVEMENT (SLAM)



**C.1.Q. PHOTO SENSOR AND LENS ATTACHMENT**

- TOPOGRAPHIC MAPS
- VOLUME CALCULATIONS
- SECURITY / ID
- PHOTOGRAMMETRY (3D FROM PHOTOS)



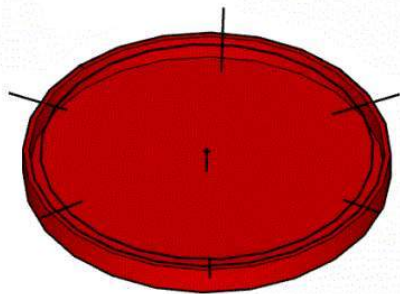


## PRODUCT

## USE CASES

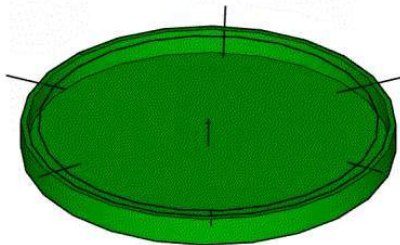
## COMPUTER TYPE & USE

## EXISTING MARKET



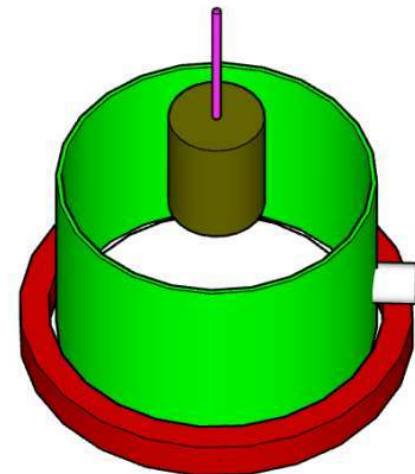
### **C.2.A. POWER MANAGEMENT MODULE (LOW & HIGH VOLTAGES)**

- POWER TO COMPUTERS,  
RADIOS, SERVOS
- POWER TO FLIGHT MOTORS
- POWER TO SMALL APPLIANCE  
MOTORS



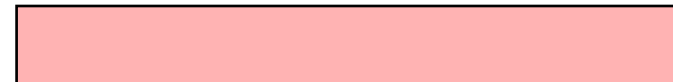
### **C.2.B. ELECTRONIC SPEED CONTROLS & DUCTED FAN ATTACHMENTS**

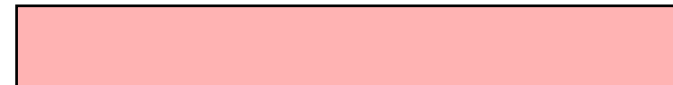
- POWER TO FLIGHT MOTORS
- POWER TO APPLIANCE MOTORS
- DIGITAL MOTOR SPEED  
ADJUSTMENT



### **C.2.C. DUCTED FAN WITH STANDARD BRUSHLESS MOTOR HOUSING, MOTOR, POGO LANDING GEAR**

- FLIGHT
  - DRIVING
  - LANDING
  - IMPACT RESISTANCE
  - ADDITION OF \*SECRET\*
- SERVOS IN EXISTING DUCTED  
FANS TO ALLOW FOR TILT &  
CHANGE OF ORIENTATION





PRODUCT

USE CASES

COMPUTER TYPE & USE

EXISTING MARKET

**C.2.D. WHEEL POWER ON/OFF  
(TRANSMISSION FOR TANK  
TREADS)**

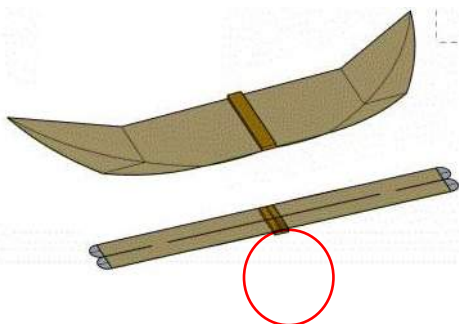
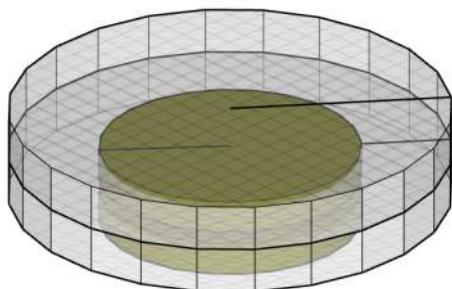
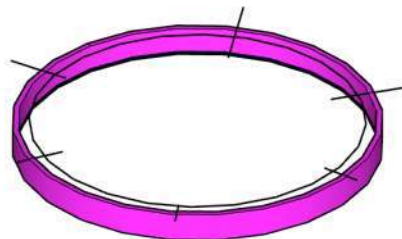
- ADDITIONAL TRACTION ON ROUGH TERRAIN, ROOFS, AND STEEP INCLINES / DECLINES.
- TANK TREAD CAN BE MANUALLY ATTACHED FOR TESTING, OTHERWISE A TRANSMISSION FROM WHEEL WHEELING FLIGHT TO FIXED GEAR TREAD IS REQUIRED FOR USING TANK TREADS AUTONOMOUSLY.

**C.2.E. CONTRA MOTOR**

- HIGHER WEIGHT LIFTING CAPACITY
- ALTERNATE DRONE ORIENTATION WITH LONG FLIGHT TIME (BUOY AND FIXED WING)
- LIGHTER WEIGHT, MORE LIFT, RAPID TRANSITION TO HORIZONTAL FLIGHT.

**C.2.F. FOLDING WING  
CARTRIDGE**

- HIGH SPEED FLIGHT
- GLIDING
- MANY WING DESIGN OPTIONS
- RING TO LOCK INTO FUSELAGE



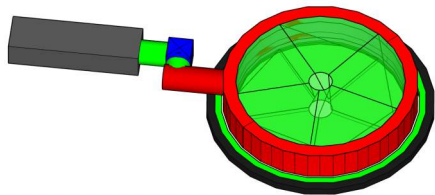


PRODUCT

USE CASES

COMPUTER TYPE & USE

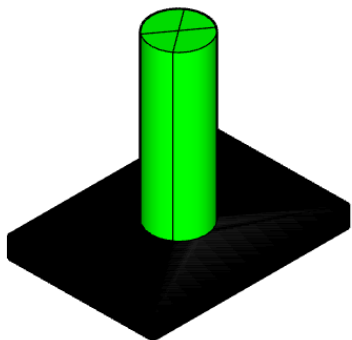
EXISTING MARKET



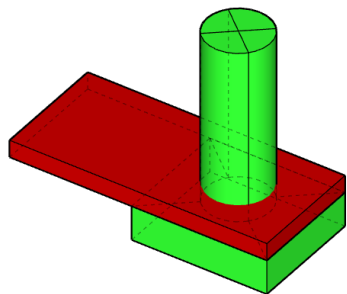
C.2.51.A ELECTRONIC SPEED  
CONTROLS, DOUBLE AXIS ARM,  
TRI POINT AXIAL FUEL  
TRANSFER, RIM DRIVEN FAN  
AND WHEEL, INVERTED  
RELUCTANCE MOTOR, AIR  
TURBINE RIM, MOTOR HOUSING

1

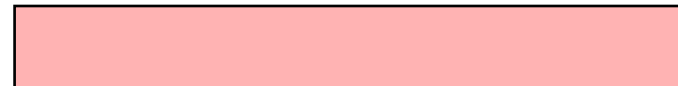
1



C.2.51.B JOYSTICK  
(STANDARD)



C.2.51.C HANDBREAK



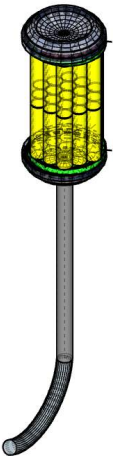


PRODUCT

USE CASES

COMPUTER TYPE & USE

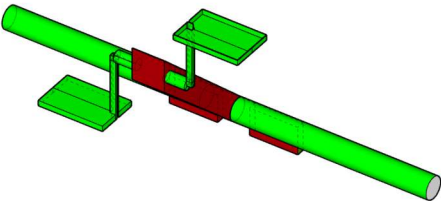
EXISTING MARKET



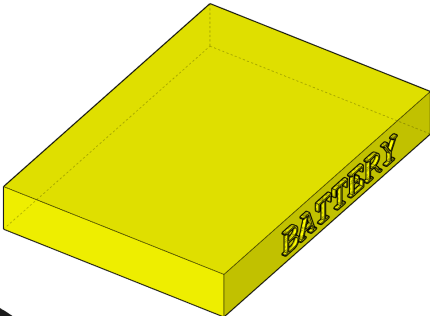
C.2.51.D CANRAD COMPUTER  
HOLDER

1

1



C.2.51.E BICYCLE PEDALS,  
CRANK, AND FRICTION DRIVE



C.2.51.F EXTENDED BATTERY



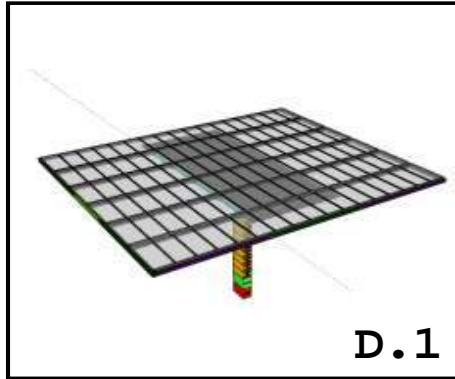


## PRODUCT

## USE CASES

## COMPUTER TYPE & USE

## EXISTING MARKET



### D.1.A. INTEGRATED ROOF

1

1

**STRUCTURE: AIR,  
ELECTRICITY, LIGHT,  
WATERPROOFING.**

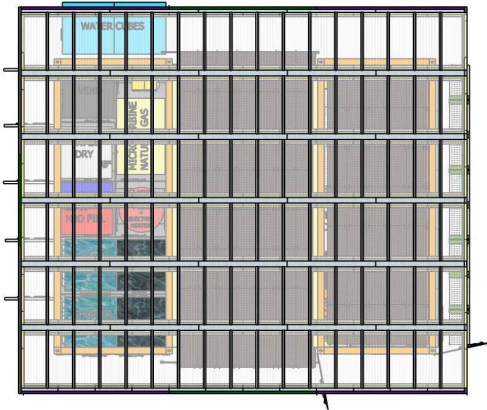
- .5" DIA. STRUCTURAL ATTACHMENTS TO CEILING
- INTEGRATED SPLIT SYSTEM HVAC
- STRUCTURE REPLACES ANODE WIRING
- PASSIVE AIR FLOW THROUGH BEAM POCKETS
- BATTERY/FUEL IN CYLINDERS

### D.1.B. SOLAR ROOF SPRAYER AND SQUEEGEE PULL ROPE CLEANER

- CLEANING BY ROPE SQUEEGEE & HOSE SPRAYER FROM GROUND (SIMILAR TO FARMING IRRIGATION)

### D.1.C. STANDING BATTERY BANK AND AC INVERTER

- DC POWER STORAGE, USB-A, USB-C, AND VOLTAGE/AMP SELECTOR
- CHARGE ANY DC APPLIANCE
- RUN MODERATELY SIZED AC APPLIANCES



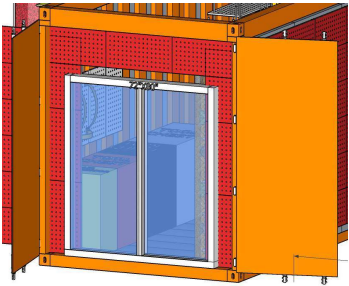


PRODUCT

USE CASES

COMPUTER TYPE & USE

EXISTING MARKET



D.2.A. FRONT DOOR ASSEMBLY 1  
REVISE - TWO HANDLES AND  
SWING LATCH ON SHIPPING  
CONTAINER DOORS  
THEMSELVES. NO GLAZING.

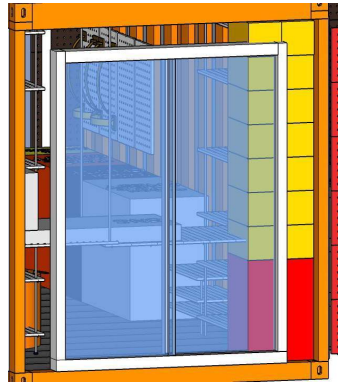
1

D.2.B. REAR DOOR ASSEMBLY

- REVISE TO TWO STANDARD  
METAL DOOR FRAMES WITH  
DOORS (ONE STANDARD INWARD  
SWINGING, ONE SPECIALTY  
(TWO TWIST OPEN DOORS,  
RAISE TO OPEN, OR ROLL-UP  
FOR A VENDING MACHINE.)

D.2.C. STANDARD EXTERIOR  
DOOR

- HOLLOW METAL DOOR FRAME,  
1"X2" TUBE STEEL SURROUND  
AS TRIM FOR CUTOUT IN  
SHIPPING CONTAINER.  
LOCATED ON EITHER  
CONTAINER LONG WALL.



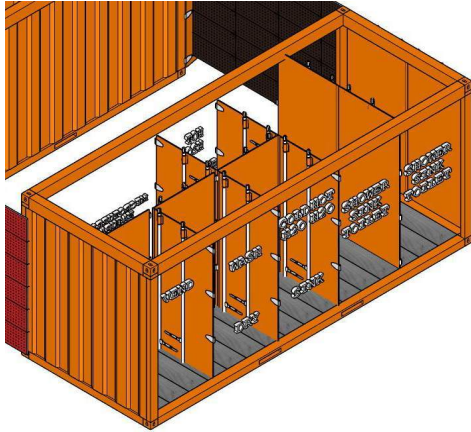


## PRODUCT

## USE CASES

## COMPUTER TYPE & USE

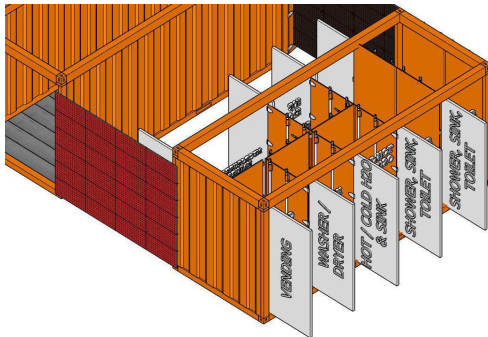
## EXISTING MARKET



**D.2.C. UTILITY  
CONTAINER PARTITIONS**  
- FIRE RATED AND  
STRUCTURAL PARTITIONS  
- BETWEEN EACH AREA

1

1


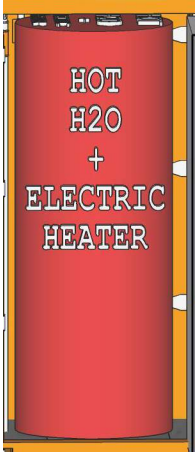



**D.2.D. UTILITY  
CONTAINER DOOR FRAMES  
AND DOORS**  
- PRIVATE OR PUBLIC  
ACCESS  
- SECURE PUBLIC  
VENDING WITH  
MEMBERSHIP BASED:  
SHOWER, TOILET,  
LAUNDRY, AND HOT WATER  
FACILITIES

SHEET NUMBER:  
LIVE/WORK - WALLS & SIDE DOORS

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PRODUCT	USE CASES	COMPUTER TYPE & USE	EXISTING MARKET
	<p>D.2.E. STACKED WATER CUBES AND HOSES</p> <ul style="list-style-type: none"><li>- READILY AVAILABLE WATER SUPPLY IN ADDITION TO CITY WATER</li></ul>	1	1
	<p>D.2.F. STANDARD HOT WATER HEATER (SET TEMP) AND INSTANTANEOUS HOT WATER HEATER (FINAL TEMP)</p> <ul style="list-style-type: none"><li>- HIGH EFFICIENCY WATER HEATING</li><li>- ABILITY TO MEET CHANGES IN QUANTITY USED WHILE MAINTAINING A MINIMUM TEMPERATURE</li></ul>		
	<p>D.2.G. SHOWER/SINK/TOILET COMBINATION WALL MOUNT</p> <ul style="list-style-type: none"><li>- SANITATION WITH LOW WATER FLOW AND DUPLICATE USE</li></ul>		





**PRODUCT**

**USE CASES**

**COMPUTER TYPE & USE**

**EXISTING MARKET**



**D.2.H. WASHER / DRYER COMBO 1**

1

- CLEAN CLOTHES & FABRICS
- COMBINE INTO A SINGLE UNIT WITH FRONT LOAD AND WATERFLOW OR AIRFLOW BY CYCLE.
- COMMERCIAL GRADE
- RE-USE OLDER WASHER/DRYERS.
- MAKE KIT COMMERCIALLY AVAILABLE FOR COMMERCIAL WASHER/DRYERS.
- STANDARD GAS HEATER FOR AIR & WATER.



**D.2.I. COLD & HOT H2O WITH SINK BELOW**

- COLD WATER FILL
- HOT WATER FILL
- PREWASH
- DISH CLEAN
- SHOP SINK
- DISPOSAL



**D.2.J. VENDING MACHINE**

- STORAGE AND SALE OF SMALL PRODUCTS LISTED HERE AND WITHIN TYPICAL BAG OR CAR.
- 12OZ CANS, RESEALABLE LIDS. LIQUIDS, DRY FOOD, MEATS, CLOTHING, EQUIPMENT.
- TEMPERATURE CONTROLLED, OLDER MACHINES.

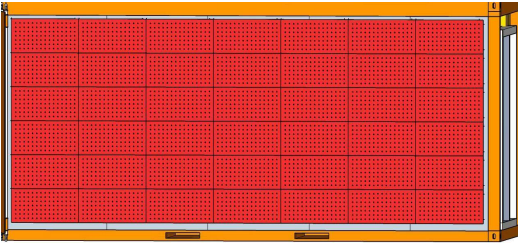


PRODUCT

USE CASES

COMPUTER TYPE & USE

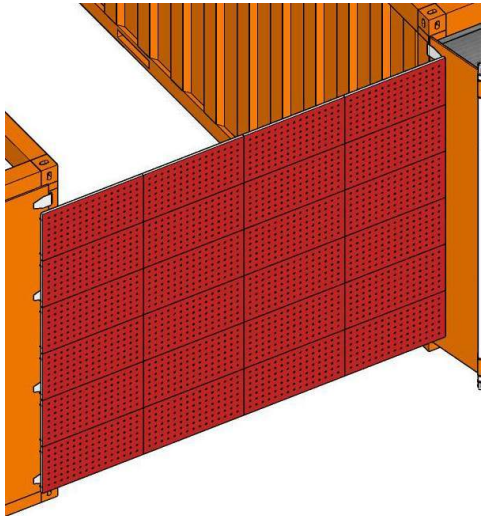
EXISTING MARKET



**D.2.K. INSULATED DC WALL  
PANEL ASSEMBLY SIDE A & B**  
- SOUND AND THERMAL  
INSULATION AT EXTERIOR OF  
BUILDING  
- MAINTAINS BARE STEEL  
INSIDE FOR DURABILITY,  
MAGNETS, AND OPTIONAL  
TAPESTRIES OR OTHER WALL  
FINISHES  
- OPTIONAL DC CHARGE FOR  
SIGNAGE OR SECURITY

1

1



**D.2.L. DC GATE ASSEMBLY  
(FRONT AND REAR)**  
- GATE ON ROLLERS (HUNG  
FROM STRUCTURAL STEEL  
ABOVE, HARD RUBBER WHEELS  
BELOW, NO FLOOR TRACK)  
- AUTOMATED CHAIN GATE  
WITH CHAIN AT ROOF  
STRUCTURAL BEAM  
- SECURES CENTRAL  
COURTYARD WHILE  
MAINTAINING AIRFLOW WITH  
GATES CLOSED OR OPEN

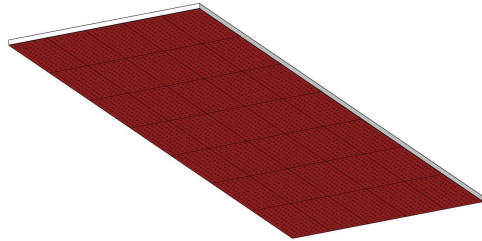


## PRODUCT

## USE CASES

## COMPUTER TYPE & USE

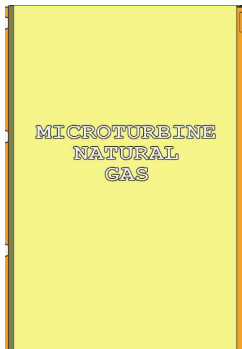
## EXISTING MARKET



D.C.M PERFORATED PANEL  
CEILING - INSULATION,  
AIR CIRCULATION, POWER  
DISTRIBUTION AND  
STRUCTURAL BATTERY  
-

1

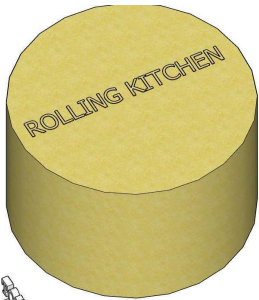
1



D.2.N. NATURAL GAS  
MICROTURBINE  
- POWER PRODUCTION  
FROM NATURAL GAS FOR  
USE OR SALE BACK TO  
THE GRID

### D.2.O. ROLLING KITCHEN UNIT

- LOW COST KITCHEN
  - NO BUILTIN CABINETS
  - ROLLABLE
  - USABLE OUTDOORS
  - TABLE ON TOP
- (STANDING ROOM ONLY)



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SHEET NUMBER:  
LIVE/WORK - POWER & COOKING

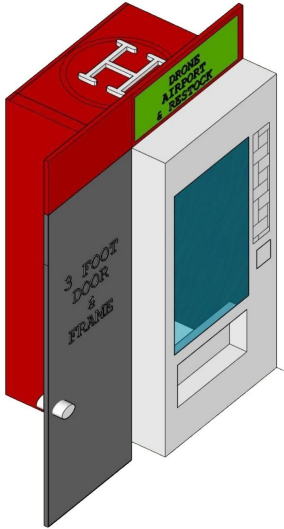


PRODUCT

USE CASES

COMPUTER TYPE & USE

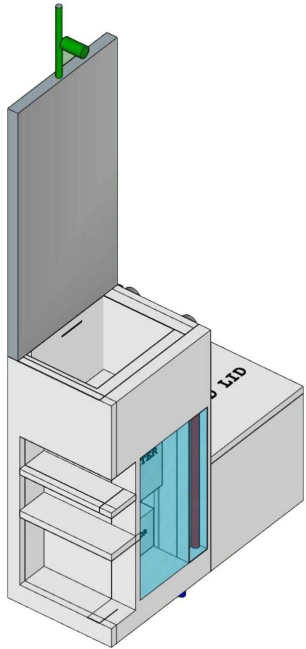
EXISTING MARKET



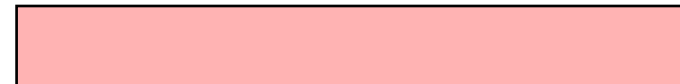
D.2.P VENDING MACHINE,  
DRONE HANGAR DOOR AND  
SECONDARY EGRESS DOOR

1

1



D.2.Q FULL BATHROOM AS  
A SINGLE VANITY





PRODUCT

USE CASES

COMPUTER TYPE & USE

EXISTING MARKET

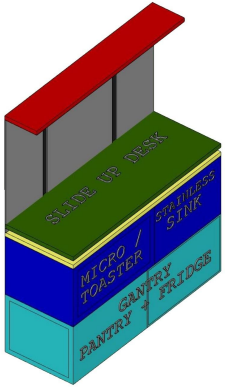
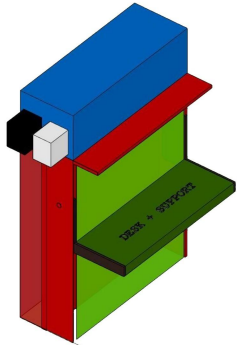
D.2.R MURPHY BED,  
DESK, HEATING,  
VENTILATION, AIR  
CONDITIONING, SHELF

1

1

D.2.S KITCHEN (SINK,  
CUPBOARD), CNC PANTRY  
(SWAPPABLE HEAD),  
RAISE/LOWER DESK,  
SHELF

D.2.T WASTE PROCESSING  
TIRES - 1 URINE, 1  
FECES





PRODUCT

USE CASES

COMPUTER TYPE & USE

EXISTING MARKET

STAIR - EXTERIOR

1

1

RAMP - EXTERIOR

DECK - EXTERIOR



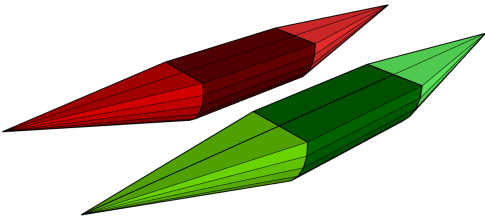


PRODUCT

USE CASES

COMPUTER TYPE & USE

EXISTING MARKET



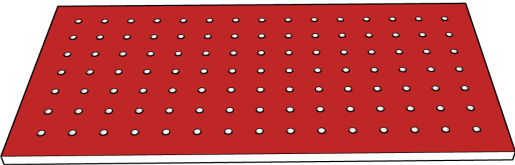
**E.1.0. HULL, BUILD OR BRING**  
- SMALLER HULLS CARRY LESS WEIGHT  
- ANY HULL WORKS FOR THE DECK ATTACHMENT PLATE AS LONG AS THERE IS ACCESS TO THE INTERIOR.

1

1

**E.1.A. POLE ATTACHMENT DECK PLATE**  
- ATTACHES POLES TO DECK IN ANY ORIENTATION.  
- CONNECT HULLS INTO A PLATFORM (CATAMARAN OR TRIMARAN)  
- FLOATING DOCK  
- FISHING POLE HOLDER  
- SHADE AWNING

**E.1.B. PERFORATED DECK**  
- .5IN HOLES ON 2"X" GRID FOR ATTACHING ANY EQUIPMENT  
- TIE ON  
- BOLT ON  
- ELECTRIFY AND CONTROL EQUIPMENT (2 MEDIUM VOLTAGE, 2 LOW VOLTAGE EMBEDDED CHANNELS.



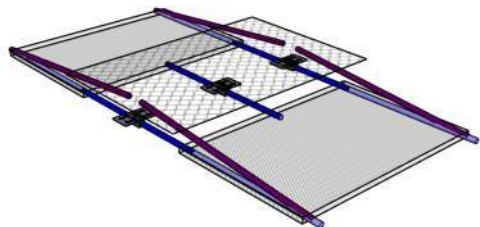


## PRODUCT

## USE CASES

## COMPUTER TYPE & USE

## EXISTING MARKET

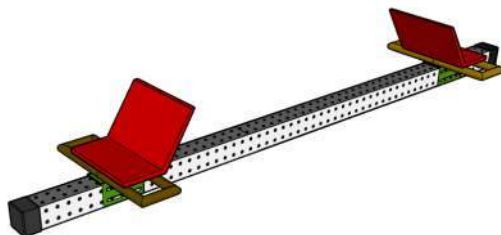


### **E.2.A. HYDRAULIC CAR ROOF RACK AND NETTING**

1

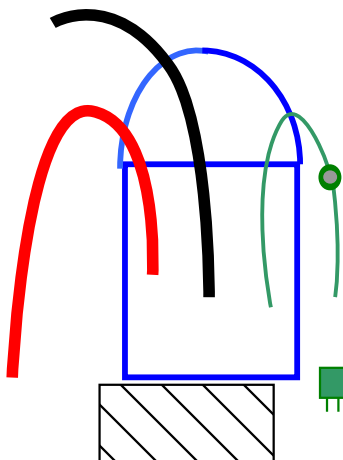
1

- LOWER HULLS FOR ATTACHMENT OR REMOVAL FROM GROUND
- REMOVAL RACK FOR ROOF CARRYING ANYTHING
- NETTING ALLOWS FOR LOOSE CARRY OF SOME ITEMS



### **E.2.B. PERFORATED SPINE BOX BEAM AND ADJUSTABLE SEATS**

- STRUCTURAL ATTACHMENT OF PROPULSION, SEATING, AND CARGO
- RAISES & LOWERS WITH HYDRAULIC ARMS FOR SMOOTHER RIDE (SWATH BOAT ORIENTATION)



### **E.2.C. 5 GALLON BUCKET PUMP & MACERATOR**

- BAILER
- BILGE
- BASIC WORK PUMP
- PROSPECTING (SMALL ROCK CRUSHING)
- HYDROPONICS (SOIL, FERTILIZER, ROOT CRUSHER)
- WASTE / SUMP

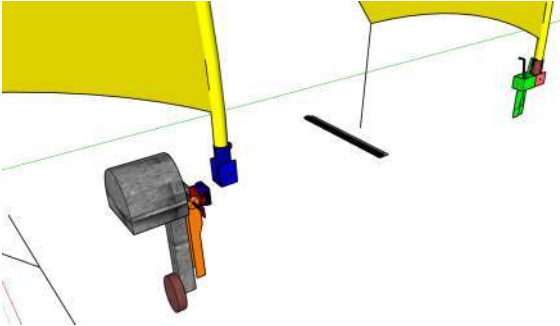


PRODUCT

USE CASES

COMPUTER TYPE & USE

EXISTING MARKET

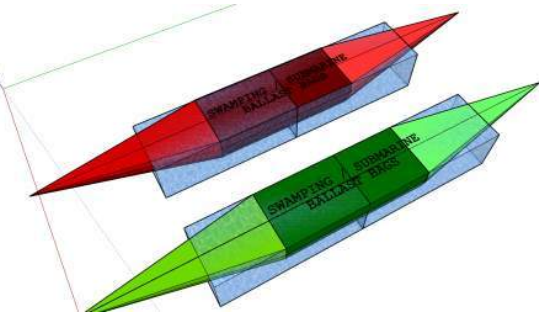


**E.3.A. PROPULSION  
BRACKETS & RUDDER -  
SAIL, PEDAL, OUTBOARD  
MOTOR**

- MOTOR
- SAIL
- PEDAL
- PADDLE

1

1



**E.4. BALLAST BAGS -  
AIR AND WATER**

- WATER FILL, AIR BLOW
- SECONDARY AIR POCKET  
IN HULL FOR FLOTATION,  
PLUS BULKHEAD  
DEPENDING ON EXACT  
HULL
- SHALLOW DEPTH  
SUBMERSION IN ROUGH  
WATER
- REACH LAND BY  
SWIMMING WITHOUT A  
BEACHHEAD, ANCHOR, OR  
VISIBLE WATERCRAFT.
- PUMP UP FROM SEABED



**E.5. HYDRAULIC AND  
BATTERY PELICAN BOXES**

- POWER FOR BILGE  
PUMP, AND HYDRAULICS
- AUTOMATED SAILING  
(RAISE/LOWER/TRIM)
- AUTOPILOT RUDDER
- RAISE AND LOWER  
CENTER HULL.



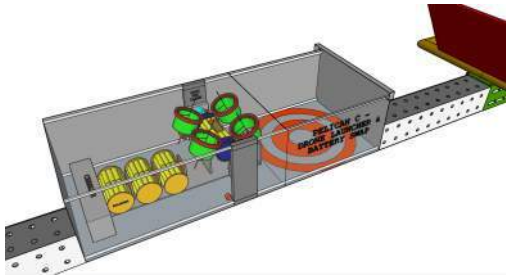


## PRODUCT

## USE CASES

## COMPUTER TYPE & USE

## EXISTING MARKET



**ZERO.6.A. CANRAD HANGAR 1**

- AIR/LAND/SEA AUTOMATED SWAPPING & KITCHEN COOK/CHILL SYSTEM
- MEASUREMENT AND SAMPLING INSTRUMENTS (CANBOT)
- 24-7 UP TIME WITH ENOUGH BATTERIES (LARGER BOX \*EXPENSIVE DUE TO QUANTITY OF BATTERIES)
- CLAMSHELL CASE
- CANBOT HOLDS MICRO APPLIANCE MODULES FOR ADDITIONAL JOBS
- TRANSITION TO TUBULAR DESIGN FOR: WATERPROOFING, PORTABILITY, AND SIZE REDUCTION

1



**ZERO.6.B EMPTY WATERPROOF & ROLLABLE CLAMSHELL CASE**

- FOOD
- WATER
- COOKING GEAR
- MEDICAL
- MUSICAL INSTRUMENTS
- TOOLS
- FISH OR BAIT
- TOYS & GAMES
- ELECTRONICS
- ELECTRIFIED EQUIPMENT (PUMP, ETC.)

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SHEET NUMBER:  
APPENDIX B - SHOP DRAWINGS

**APPENDIX B**

**SHOP DRAWINGS**

[illegible]



A.1

SODA BOTTLE CAP  
ADAPTER

SHEET NUMBER:  
A.1 SODA BOTTLE CAP ADAPTER

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**COMPANY**  
300X3.COM

**SCALE**  
ORTHOGRAPHIC  
3mm:1mm  
ON 11"WX8.5"H

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
STAINLESS LID &  
ADAPTER KITS

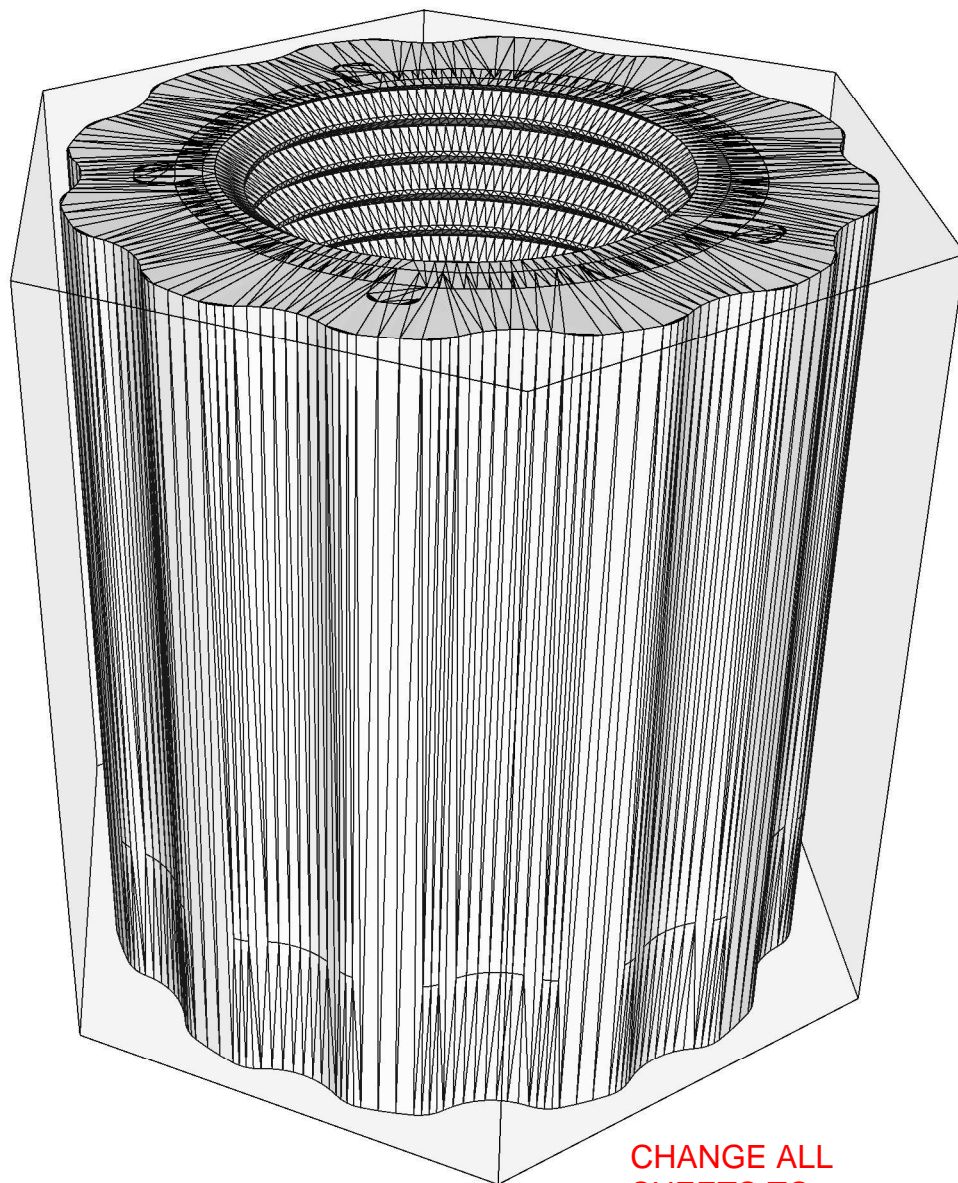
**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.01

**REVISION HISTORY**  
2023.10.17

**DESCRIPTION**  
SODA BOTTLE CAP  
ADAPTER, MAIN 3D

**A0.MAIN**



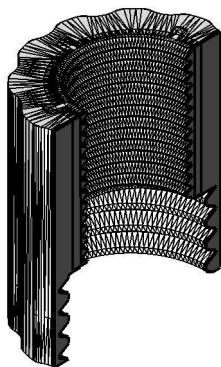
CHANGE ALL  
SHEETS TO  
"A.1.###@@@ETC"



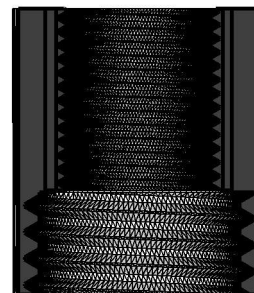
[CLICK FOR LINK TO MAIN SITE: 300X3.COM](https://300x3.com)  
[CLICK FOR LINK TO TABLE OF CONTENTS](#)

**SHEET NUMBER:**  
A.1 MAIN

A0.1A MIDLINE OFF CENTER  
SECTION FROM TOP RIGHT CORNER



A0.1B MIDLINE SECTION  
FROM LEFT



**COMPANY**  
300X3.COM

**SCALE**  
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ON 11"WX8.5"H

**CUSTOMER**  
PUBLIC SALE

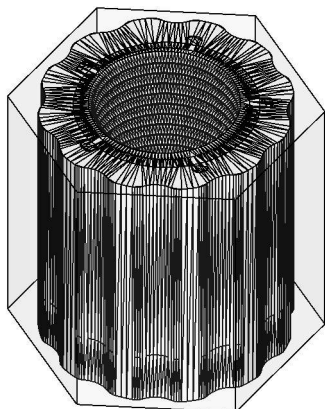
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STAINLESS LID &  
ADAPTER KITS

**DRAWN BY**  
SWW

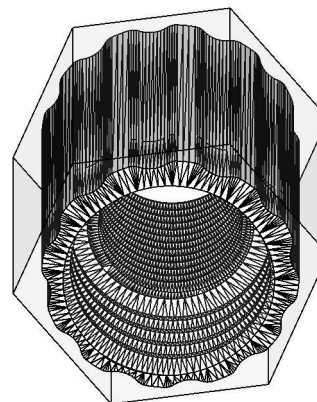
**ORIGINAL ISSUANCE**  
2023.08.01

**REVISION HISTORY**  
2023.10.17

A0.1C FULL OFF CENTER VIEW  
FROM TOP RIGHT CORNER



A0.1D FULL OFF CENTER VIEW  
FROM BOTTOM MID-LINE



**DESCRIPTION**  
COMPOSITE #1  
FOUR MINI VIEWS

**A0.1M**





**COMPANY**  
300X3.COM

**SCALE**  
ORTHOGRAPHIC  
3mm:1mm  
ON 11"WX8.5"H

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
STAINLESS LID &  
ADAPTER KITS

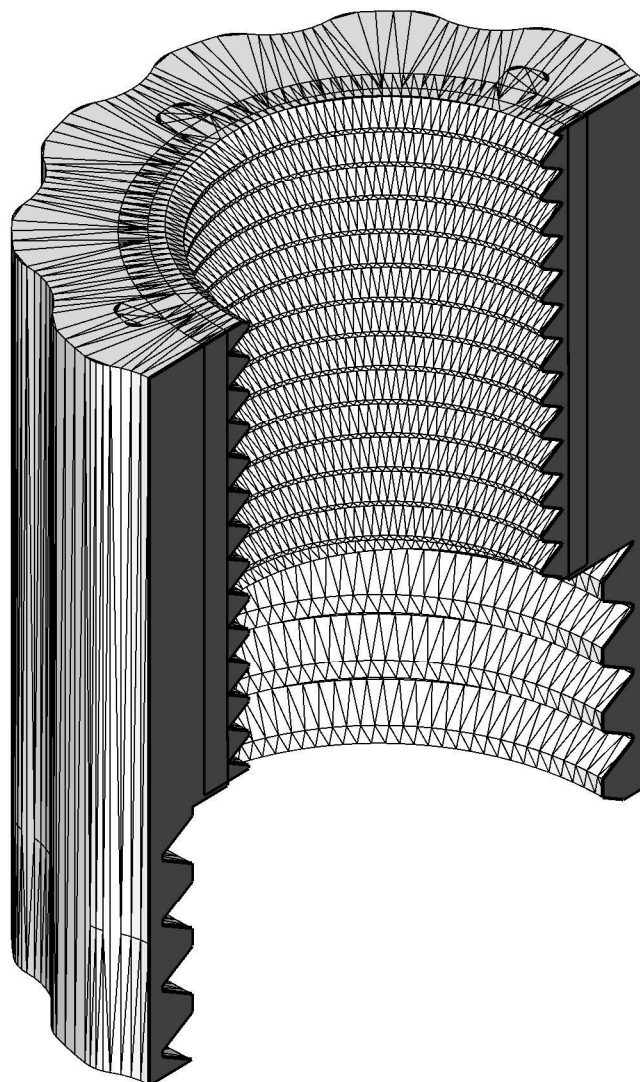
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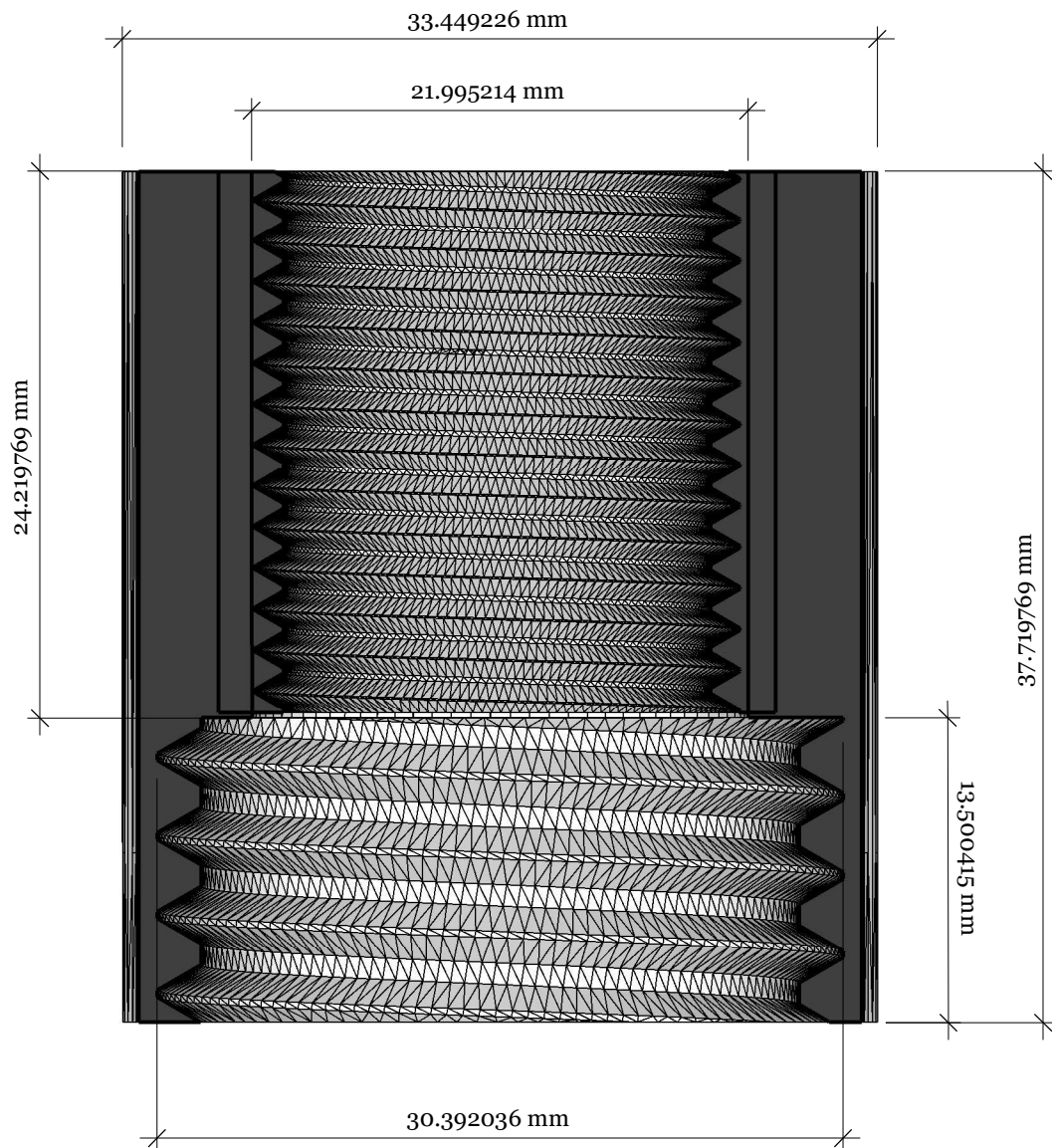
**ORIGINAL ISSUANCE**  
2023.08.01

**REVISION HISTORY**  
2023.10.17

**DESCRIPTION**  
MIDLINE OFF CENTER  
SECTION FROM TOP  
RIGHT CORNER

**A0.1A**





**COMPANY**  
300X3.COM

**SCALE**  
ORTHOGRAPHIC  
3mm:1mm  
ON 11"WX8.5"H

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
STAINLESS LID &  
ADAPTER KITS

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.01

**REVISION HISTORY**  
2023.10.17

**DESCRIPTION**  
MIDLINE SECTION  
FROM LEFT

**A0.1B**



**COMPANY**  
300X3.COM

**SCALE**  
ORTHOGRAPHIC  
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ON 11"WX8.5"H

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
STAINLESS LID &  
ADAPTER KITS

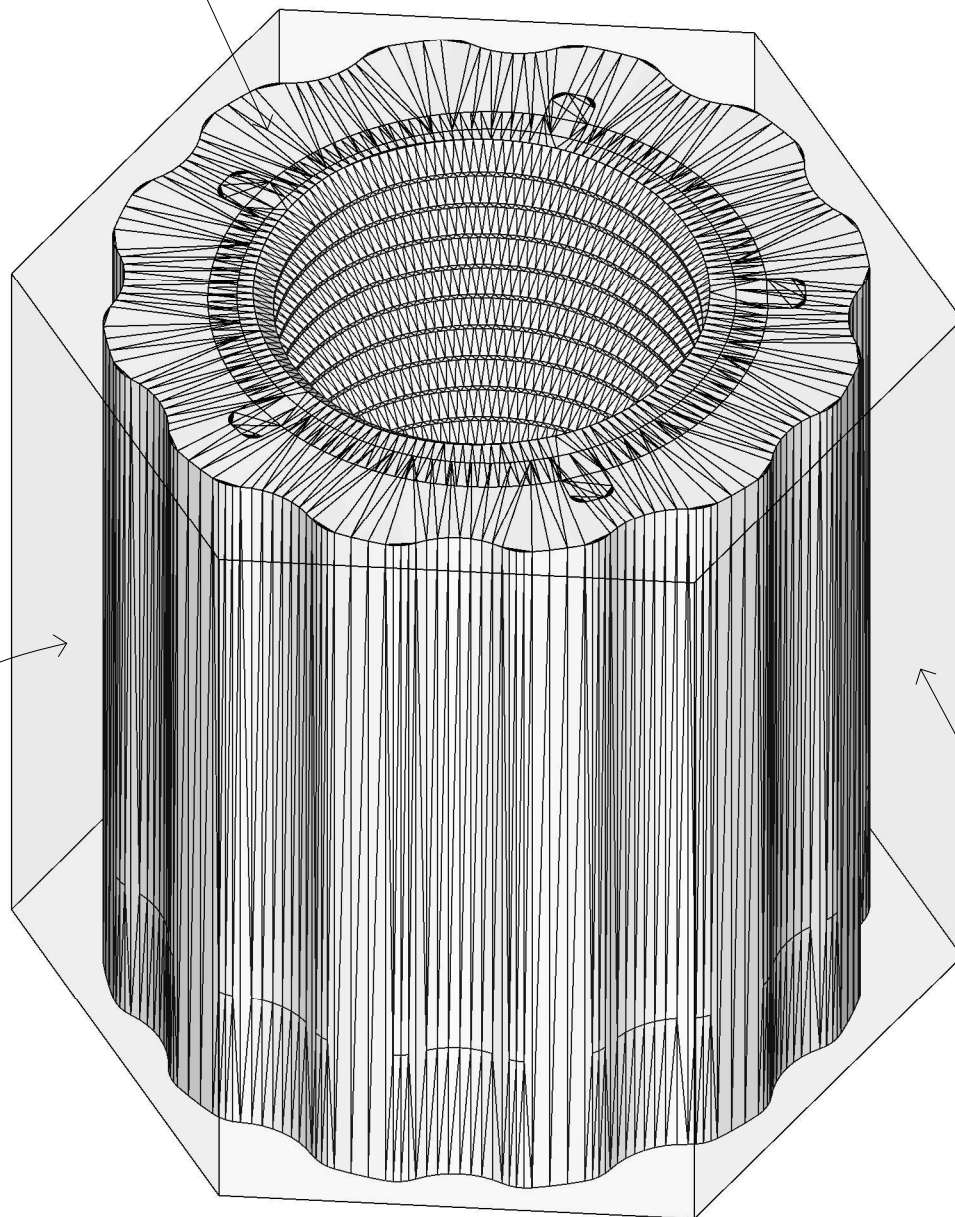
**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.01

**REVISION HISTORY**  
2023.10.17

**DESCRIPTION**  
FULL OFF CENTER  
VIEW FROM TOP RIGHT  
CORNER

RUBBERIZED END, DIP TO SEAL  
TO ANY CONNECTING FLANGE



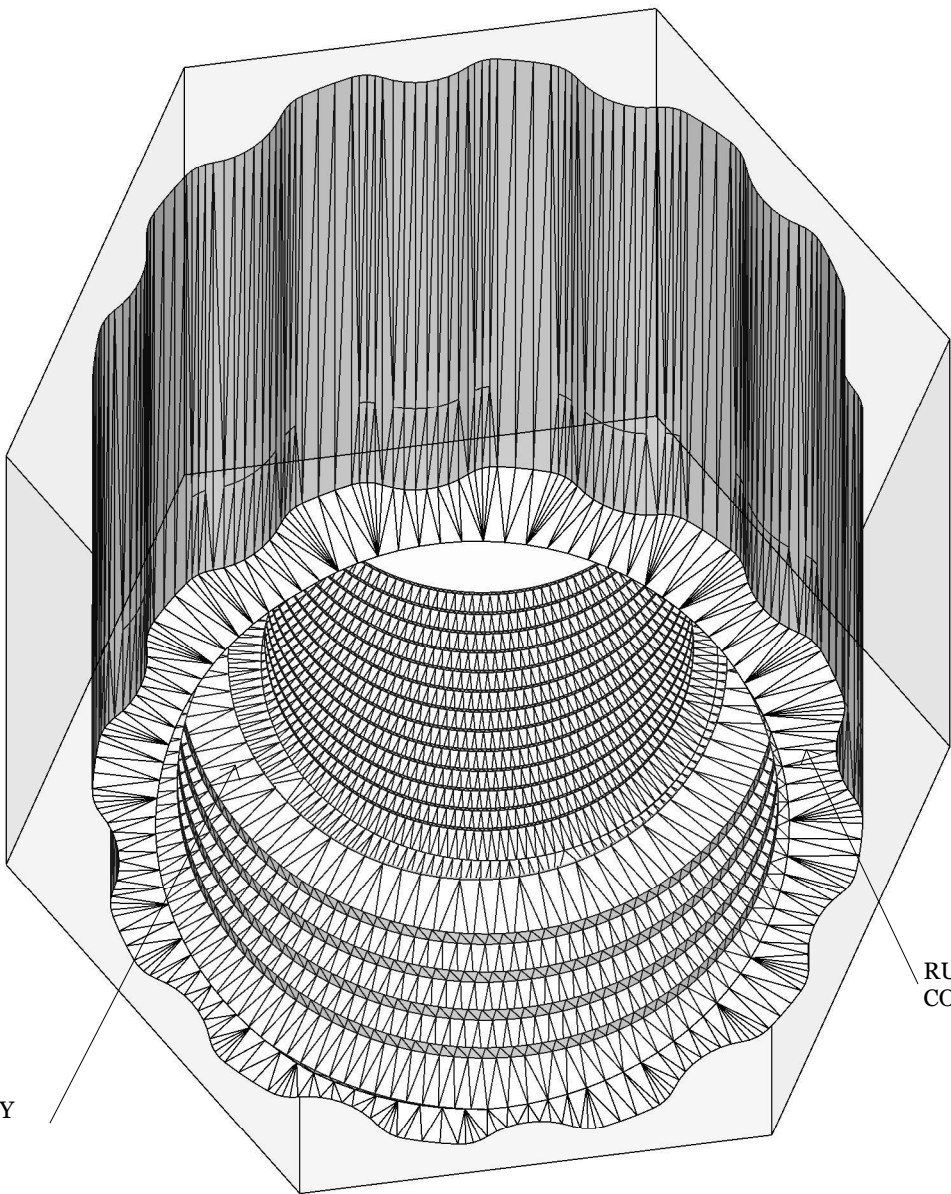
RIDGES FOR GRIP,  
REPLACING WITH  
HEXAGON FOR  
CRESCENT WRENCH

ADD HOLES  
AT EITHER  
END OF  
HEXAGON TO  
HANG

**A0.1C**

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**SHEET NUMBER:**  
A.1 FULL OFF CENTER VIEW FROM TOP RIGHT



**COMPANY**  
300X3.COM

**SCALE**  
ORTHOGRAPHIC  
3mm:1mm  
ON 11"WX8.5"H

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
STAINLESS LID &  
ADAPTER KITS

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.01

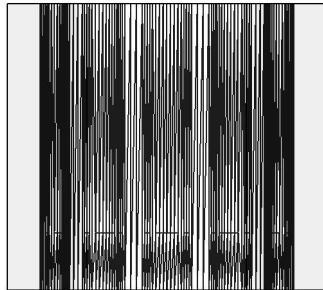
**REVISION HISTORY**  
2023.10.17

**DESCRIPTION**  
FULL OFF CENTER  
VIEW FROM BOTTOM  
RIGHT CORNER

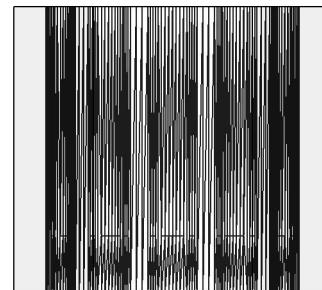
**A0.1D**



**A0.2A RIGHT SIDE**



**A0.2B LEFT SIDE**



**COMPANY**  
300X3.COM

**SCALE**  
ORTHOGRAPHIC  
1mm:1mm  
ON 11"WX8.5"H

**CUSTOMER**  
PUBLIC SALE

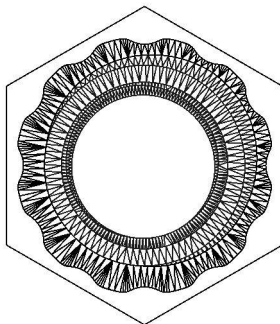
**GROUP**  
STAINLESS LID &  
ADAPTER KITS

**DRAWN BY**  
SWW

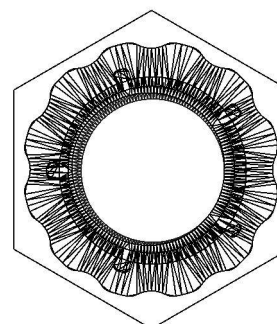
**ORIGINAL ISSUANCE**  
2023.08.01

**REVISION HISTORY**  
2023.10.17

**A0.2C BOTTOM**

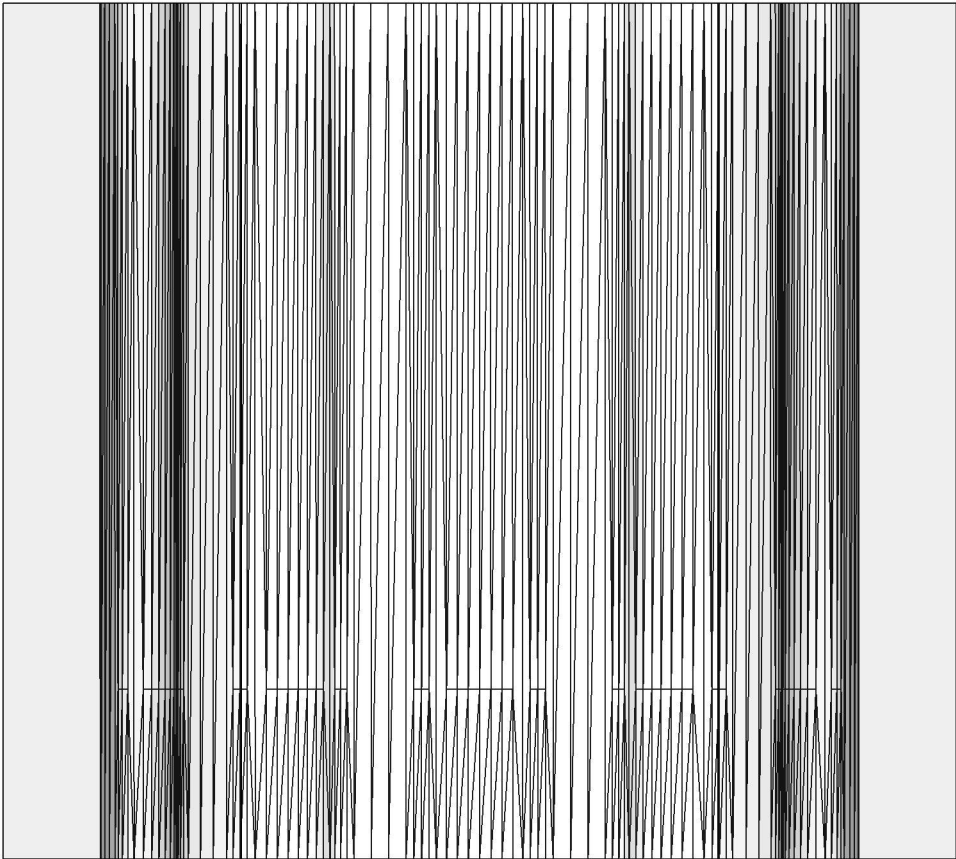


**A0.2D TOP**



**DESCRIPTION**  
COMPOSITE #2  
MINI STANDARD  
VIEWS

**A0.2M**



**COMPANY**  
300X3.COM

**SCALE**  
ORTHOGRAPHIC  
3mm:1mm  
ON 11"WX8.5"H

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
STAINLESS LID &  
ADAPTER KITS

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.01

**REVISION HISTORY**  
2023.10.17

**DESCRIPTION**  
RIGHT SIDE

**A0.2A**





**COMPANY**  
300X3.COM

**SCALE**  
ORTHOGRAPHIC  
3mm:1mm  
ON 11"WX8.5"H

**CUSTOMER**  
PUBLIC SALE

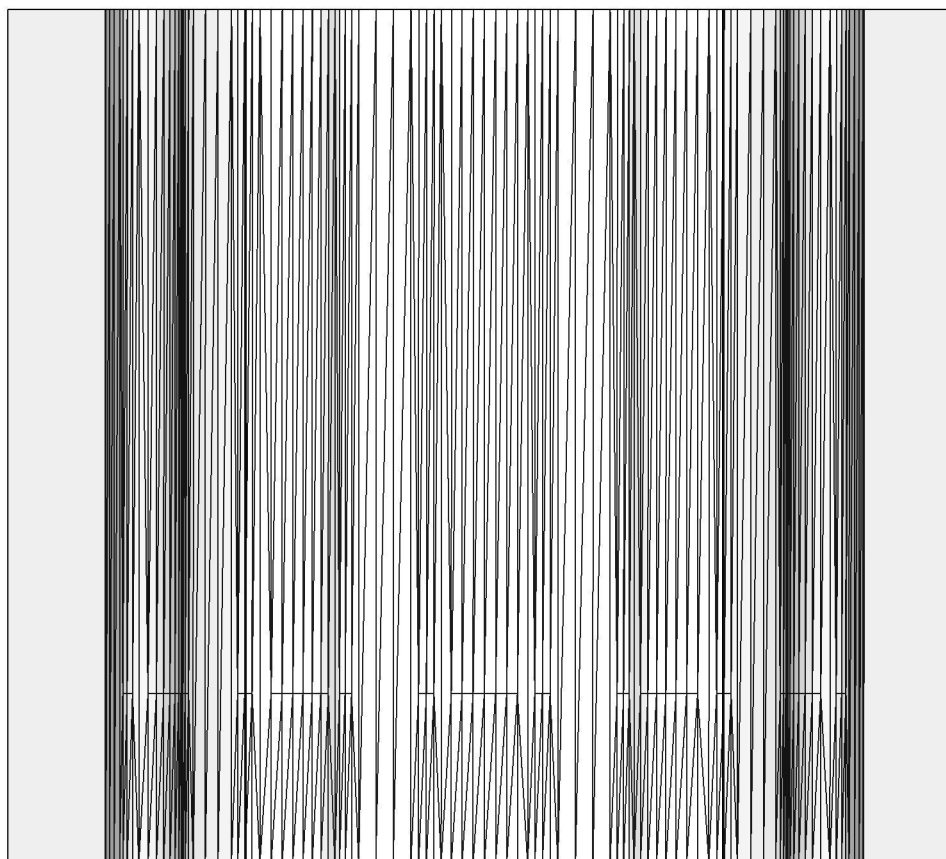
**GROUP**  
STAINLESS LID &  
ADAPTER KITS

**DRAWN BY**  
SWW

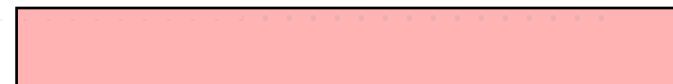
**ORIGINAL ISSUANCE**  
2023.08.01

**REVISION HISTORY**  
2023.10.17

**DESCRIPTION**  
LEFT SIDE



**A0.2B**



**COMPANY**  
300X3.COM

**SCALE**  
ORTHOGRAPHIC  
3mm:1mm  
ON 11"WX8.5"H

**CUSTOMER**  
PUBLIC SALE

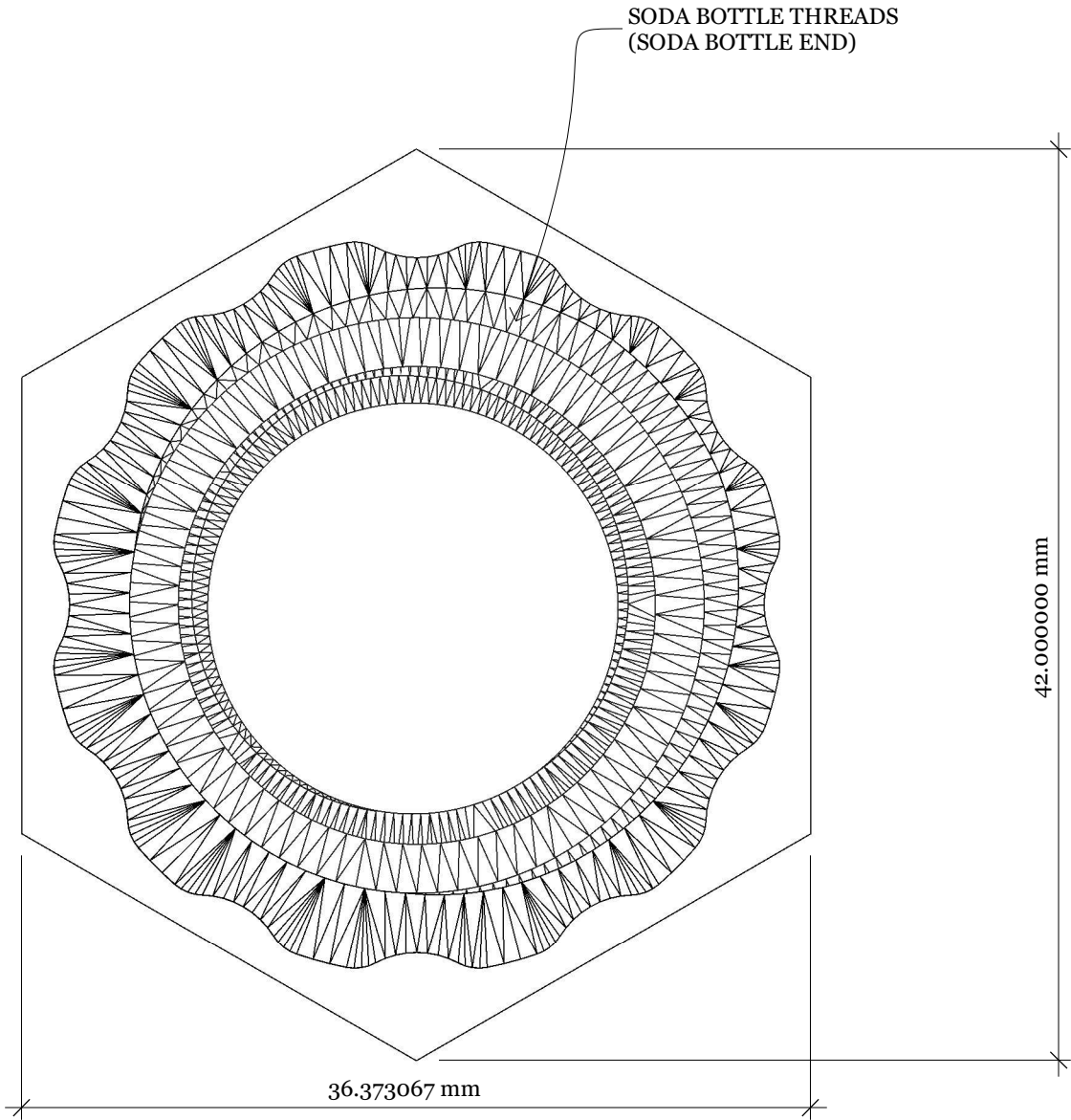
**GROUP**  
STAINLESS LID &  
ADAPTER KITS

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.01

**REVISION HISTORY**  
2023.10.17

**DESCRIPTION**  
BOTTOM



**A0.2C**



**COMPANY**  
300X3.COM

**SCALE**  
ORTHOGRAPHIC  
3mm:1mm  
ON 11"WX8.5"H

**CUSTOMER**  
PUBLIC SALE

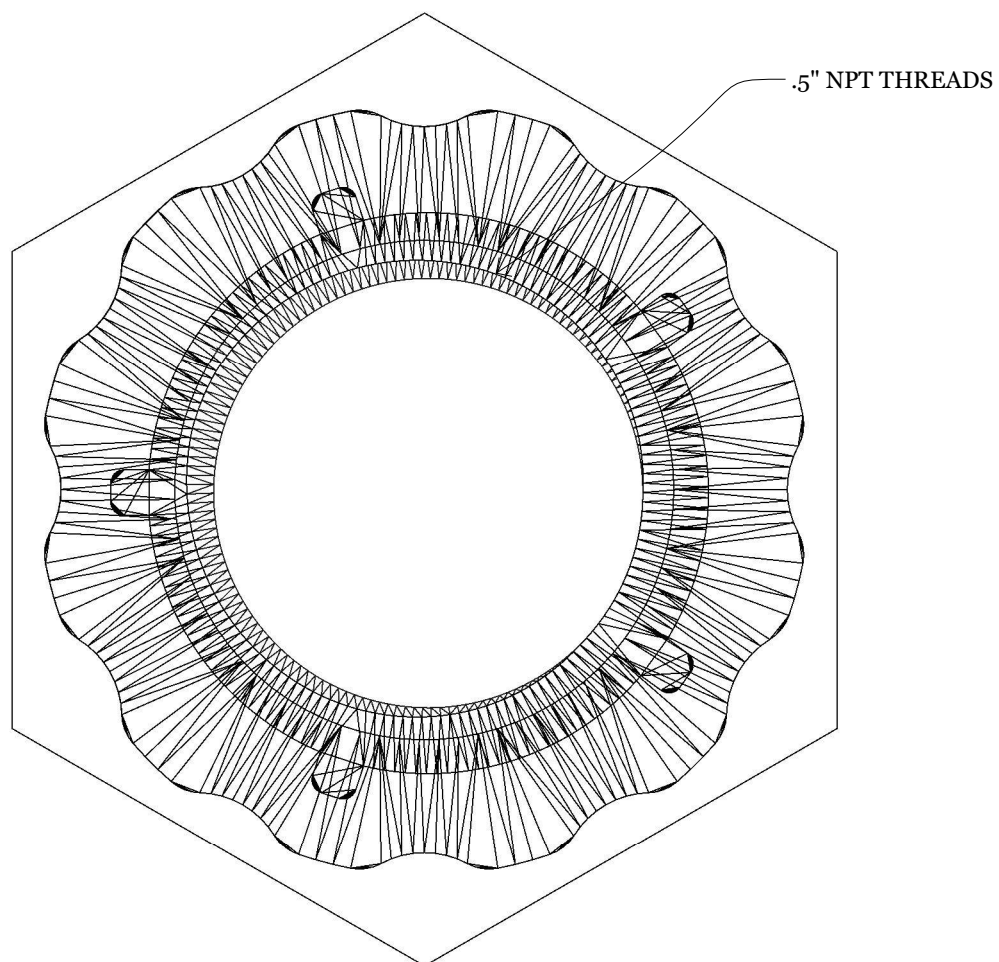
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STAINLESS LID &  
ADAPTER KITS

**DRAWN BY**  
SWW

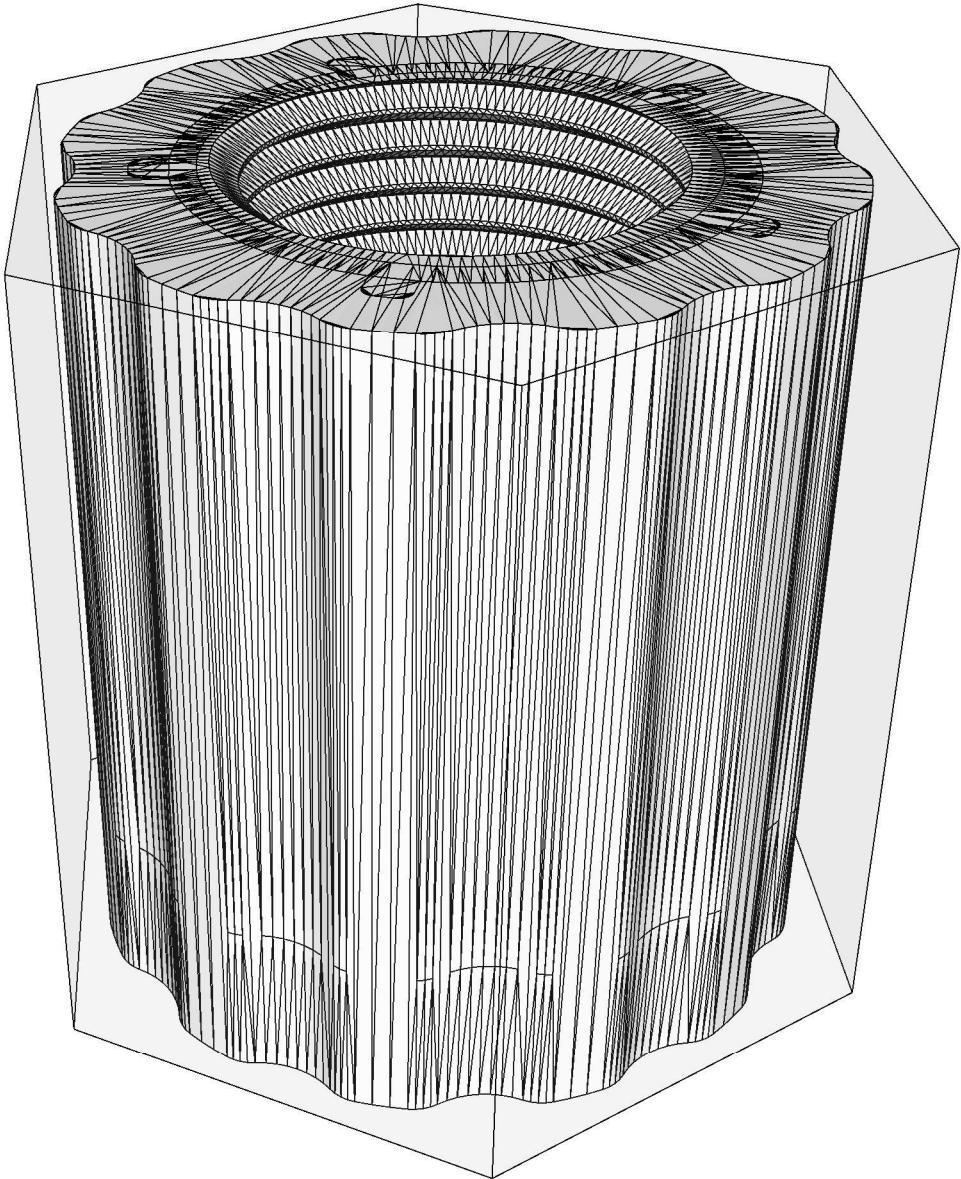
**ORIGINAL ISSUANCE**  
2023.08.01

**REVISION HISTORY**  
2023.10.17

**DESCRIPTION**  
TOP



**A0.2D**



**COMPANY**  
300X3.COM

**SCALE**  
ORTHOGRAPHIC  
3mm:1mm  
ON 11"WX8.5"H

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
STAINLESS LID &  
ADAPTER KITS

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.01

**REVISION HISTORY**  
2023.10.17

**DESCRIPTION**  
LAYOUT FOR  
FABRICATION

**A0.L**



## FABRICATION

**FILAMENT 3D PRINTING IS NOT AN OPTION AS IT LEAKS.**

### **PROTOTYPE / AT HOME FABRICATION**

0. PREP MODEL WITH: SKETCHUP, SKETCHUP PLUGINS, MESHLAB, AND MATTERCONTROL FOR ROBOR1 OR OTHER 3D PRINTER.
1. 3D PRINT IN PLA PLASTIC TO TEST
- 1A. 3D PRINT IN ABS PLASTIC FOR STANDARD USE
2. APPLY RUBBERIZED SEALANT (FLEX SEAL OR SIMILAR) TO END OF JOINT AREAS
3. DRY
4. WASH CLEAN WITH SOAPY WATER

### **PRODUCTION - PLASTIC INJECTION**

- A. 3D MODEL AN EXTERIOR NEGATIVE MOLD FROM A SOLID CUBE
- B. LEAVE INSIDE OF CUBE AS SOLIDAS AN INNER MOLD FROM THE SOLID CUBE
- C. HALVE THE CUBE INTO A CLAMSHELL
- D. MAINTAIN BOTTOM OF CUBE AS SOLID
- E. CREATE A METHOD FOR REMOVING THE CORE ONCE SHAPE HAS SOLIDIFIED
- E1. HERE: 2 CORES WITH THREADING, AND A LARGE PHILIPS SCREWDRIVER INSET TO UNSCREW TWO INNER CORES IN OPPOSITE DIRECTIONS.
- F. ADD SCREW POSTS TO HOLD MOLD TOGETHER
- G. ADD INLET FOR LIQUID PLASTIC
- H. ADD OUTLET FOR LIQUID PLASTIC / AIR
- I. APPLY MOLD RELEASE TO INSIDE OF MOLD
- J. ASSEMBLE MOLD
- K. LIQUIFY PREFERRED PLASTIC (HDPE) AND INJECT INTO MOLD
- L. LET COOL
- M. REMOVE MOLD

### **PRODUCTION - METAL**

1. EXISTING FINISHED ADAPTER
2. PACK IN GREEN SAND
3. REMOVE ADAPTER FROM SAND, RETAIN IMPRESSION
4. ADD INNER CORE AS CERAMIC OR OTHER NON-MELTING MATERIAL
5. LIQUID METAL POUR
6. REMOVE SAND
7. REMOVE CORE (UNSCREW)

**LINK TO 3D MODEL, PCLOUD FILESHARE FOR .SKP FILE AND .STL FILE:**

<https://u.pcloud.link/publink/show?code=kZv3bNVZI5AgwUo4SSBV4zK7a3v9RFiP8bL7>

**COMPANY**  
300X3.COM

**SCALE**  
TEXT  
10 POINT

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
STAINLESS LID &  
ADAPTER KITS

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.01

**REVISION HISTORY**  
2023.10.17

**DESCRIPTION**  
FABRICATION NOTES

**A0.F**

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**SHEET NUMBER:**  
**A.1 FABRICATION NOTES**



**ASSEMBLY**

- KIT A STANDARD (ALL/MOST)
  - SODA BOTTLE
  - SODA CAP TO .5" NPT ADAPTER
  - .5" NPT ACCESSORY (.5" NPT FRICTION FITTING)
  - .5" ID FLEXIBLE HOSE
  - HOSE CLAMPS.
- KIT B WATER
  - STANDARD
  - MEDICAL PINCH TUBING CLIP
  - SHOWER END
- KIT C WASTE COLLECTION
  - URINE: STANDARD + DIVA CUP OR FUNNEL ATTACHMENT
  - HAZARDOUS MATERIAL, OIL & GAS: STANDARD + FUNNEL ATTACHMENT
- KIT D HUNTING
  - SAP COLLECTION: STANDARD + FUNNEL (WILL NOT WORK FOR THICKER FLUID)
  - SALT WATER EMBALMING: STANDARD + OIL NEEDLE
  - STERILIZATION: STANDARD + BOILER W/ .5" FRICTION FITTING
  - COOLING & SCENTING: STANDARD + Y TUBE + PUMP + SPRAY FITTING
- KIT E LIQUID SAMPLE COLLECTION (BLOOD / WATER VACUUMS)
  - BOTTLE SQUEEZE
  - VACUUM MACHINE
- KIT G STEM KIT 1 (PRESSURE BASICS)
  - BOTTLE ROCKET
  - WATER WHEEL LIGHT
  - AIR PIN WHEEL LIGHT

**COMPANY**  
300X3.COM

**SCALE**  
TEXT  
10 POINT

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
STAINLESS LID &  
ADAPTER KITS

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.01

**REVISION HISTORY**  
2023.10.17

**DESCRIPTION**  
ASSEMBLY NOTES



## **PROCUREMENT**

### **MODELS PROVIDED BY OTHERS**

1. FRUIT FLY TRAP FOR PET BOTTLE

USED FOR PET BOTTLE THREADS

URL: <https://cults3d.com/en/3d-model/home/fruit-fly-trap-for-pet-bottle>

AUTHOR: LangHjornArt

2. .5IN NPT THREADS - COUPLING ADAPTER

USED FOR THREADS AND EXTERIOR GRIP

URL: <https://www.thingiverse.com/inlab/designs>

AUTHOR: INLAB

ALTERNATE: RE-DESIGN THREADS USING SKETCHUP, FUSION 360, ETC.

---

### **MATERIAL**

A. RUBBERIZED DIPPING MATERIAL

B. PLA PLASTIC - 3D PRINTED EARLY PROTOTYPES (LOWER COST, FASTER PRODUCTION, LOWER QUALITY)

C. ABS PLASTIC - 3D PRINTED PROTOTYPE (STRONGER, SLOWER, MORE OFF-GASSING)

D. INJECTION MOLD MAKING MATERIAL

E. HDPE PLASTIC FOR INJECTION INTO MOLD

F. GREEN SAND

G. CRUCIBLE

H. FURNACE

I. FURNACE FUEL

J. FURNACE TOOLS AND SAFETY GEAR

K. CERAMIC CLAY (TO FABRICATE INNER CORE - HIGHER FIDELITY THREADS)

L. ALUMINUM OR STAINLESS PELLETS/ SHAVINGS

M. TEFLON TAPE

### **COMPANY**

300X3.COM

### **SCALE**

TEXT

10 POINT

### **CUSTOMER**

PUBLIC SALE

### **GROUP**

STAINLESS LID &  
ADAPTER KITS

### **DRAWN BY**

SWW

### **ORIGINAL ISSUANCE**

2023.08.01

### **REVISION HISTORY**

2023.10.17

### **DESCRIPTION**

PROCUREMENT NOTES

# A0.P

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**SHEET NUMBER:**  
**A.1 PROCUREMENT NOTES**

**USE CASES**

AN ADAPTER FOR ATTACHING STANDARD .5IN TAPERED PLUMBING FITTINGS TO SODA BOTTLES IN ORDER TO USE VARIOUS STANDARD PLUMBING ACCESSORIES.

- 
- 1. WATER COLLECTION
  - HYDRATION SYSTEM
  - GRAVITY PLUMBING SHOWER / SINK
  - WATER FILTER
- 2. WASTE COLLECTION (DISPOSABLE 2 LITER CONTAINER)
  - URINE
  - HAZARDOUS MATERIAL, OIL (CAR, MOTOROCYCLE, SMALL ENGINE)
  - GASOLINE SIPHONING (GAS TANK)
  - WATER SIPHONING (FISH TANK, BIRD BATH)
- 3. HUNTING
  - SAP COLLECTION
  - SALT WATER EMBALMING
  - COOLING, MIST
  - SCENTING, SPRAY
- 5. LIQUID SAMPLE COLLECTION
  - BLOOD
  - WATER
  - AIR
- 6. STEM KIT 1, PRESSURE BASICS
  - BOTTLE ROCKET (NO QUICK RELEASE)
- X. ISSUE
  - AIR MUST ENTER THE VESSEL THROUGH THE TUBE THAT LIQUID IS IN, OR VESSEL COLLAPSES. COLLAPSING BOTTLE IS OK, MAKES A LITTLE NOISE AND LASTS REGARDLESS. COLLAPSE MINIMIZES THE AMOUNT OF AIR THAT NEEDS TO ENTER THE VESSEL.
  - ALTERNATE, AN AIR RELEASE VALVE AT THE NECK OF THE BOTTLE VIA A T CONNECTOR IN THE TUBE.

**COMPANY**  
300X3.COM

**SCALE**  
TEXT  
10 POINT

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
STAINLESS LID &  
ADAPTER KITS

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.01

**REVISION HISTORY**  
2023.10.17

**DESCRIPTION**  
USE CASES

**A0.U**



ESTIMATE

**COMPANY**  
300X3.COM

**SCALE**  
TEXT  
10 POINT

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
STAINLESS LID &  
ADAPTER KITS

**DRAWN BY**  
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**DESCRIPTION**  
ESTIMATE

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**SHEET NUMBER:**  
**A.1 ESTIMATE**



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BLUEBEAM DOWNLOAD LINK:

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PROOF FOR PDF, USED IN: MOST PAPERWORK, BACKWARDS COMPATIBLE FOR PAPER PRINTS, VIEWABLE WITHIN INTERNET BROWSERS, SMALL AND COMPRESSIBLE FILE SIZE, SUPPORTS HIGH RESOLUTION GRAPHICS, ALLOWS FOR TEXT AND IMAGE EDITING, HAS AN OPTION FOR PASSWORD PROTECTION, SOME APPLICATIONS EVEN INTEGRATE IT WITH MESSAGING SYSTEMS.

BETTER EXAMPLE: PDF IS COMMON WITHIN BUSINESSES THAT DO FABRICATION ALONGSIDE 3D MODELS AND THE MACHINE CODE RELATED TO THEM. OTHERWISE, PRINT IT AND GO WITHOUT THE COMPUTER, ALTHOUGH THAT REQUIRES MUCH MORE WORK IN THE FIELD AS WELL AS IN THE CREATION OF THE SHOP DRAWINGS /DIMENSIONING, ETC. (NOT INCLUDED HERE.)

UNFORTUNATELY - 3D IS STILL A BUSINESS AND STANDARD BATTLEFIELD, SO 3D PDF IS INCLUDED ON THE FOLLOWING PAGE INSTEAD OF ON THIS ONE AND CAN ONLY BE VIEWED IN SPECIFIC SOFTWARE. I USE BLUEBEAM FOR MY PDFS (AN OLDER VERSION TO ELIMINATE SUBSCRIPTION FEES.) 3D PDF IS ALSO VIEWABLE WITHIN ADOBE READER. WHILE INTERNET BROWSERS IN 2023 SUPPORT 2D PDF, THEY DO NOT CURRENTLY SUPPORT 3D PDF.

IN PART, THIS IS BECAUSE PDF CAN REPLACE HTML IN MANY WAYS - THE WEBSITE 300X3.COM IS BUILT ENTIRELY WITHIN PDF WITHOUT OTHER HTML BEYOND LINKS. DOES HTML SUPPORT FURTHER REACHING USE CASES WITH SIGNIFICANTLY MORE COMPLEXITY? - ABSOLUTELY, AND THAT COMPLEXITY TYPICALLY MAKES US MISERABLE AS INDIVIDUALS / SOCIETY. BECAUSE OF ITS COMPLEXITY. PDF AND OTHER ISO STANDARDS ARE AN EASY WAY OUT OF THE RAT RACE AND INTO A PRODUCTIVE BUSINESS / DAY THAT YOU CAN STILL PRINT TO PAPER, IMAGINE THAT (YOU DON'T HAVE TO, YOU'RE LOOKING AT IT.)

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TEXT  
10 POINT

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**GROUP**  
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3D PDF INTRODUCTION

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SHEET NUMBER:  
PART:



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SHEET NUMBER:  
A.2 NALGENE LID TO .5IN NPT

NALGENE LID TO .5IN  
NPT

[illegible]

---

**NEW LID ADAPTER FOR A SINGLE WALL  
STAINLESS NALGENE BOTTLE**

**WHY THIS LID?**

**THERE ARE SEVERAL REASONS FOR USING A  
NALGENE BOTTLE LID AS THE PRIMARY VESSEL  
FOR THIS PROJECT.**

TO START - NALGENE IS USED BY CHEMISTRY PROFESSIONALS, MEANING IT HAS BEEN HEAVILY CONSIDERED BY THEM. THEIR OWN WORK INCLUDES A FRICTION FITTING FOR SIMILAR APPLICATIONS, ALTHOUGH THEY DO NOT MAKE A THREADED VERSION AND MOST OF THEIR PRODUCTS ARE PLASTIC. THESE PLASTIC LIDS TYPICALLY COST >\$200 EACH.

MORE IMPORTANTLY - THERE ARE MANY FUNDAMENTAL NEEDS ADDRESSED BY THIS LITTLE LID. LIKE: WATER, FOOD, FUEL PRODUCTION, AND LIFTING GAS. SOMETHING YOU CAN DO WITH A BASIC GLASS OR EVEN PLASTIC BOTTLE - HOWEVER, THE THREE BOWLING-BALL STYLE HOLES IN THIS NALGENE LID MEANS THAT FILLING, SIPHONING, AND CONNECTING MULTIPLE THINGS TO THE SAME CONTAINER SIMULTANEOUSLY FOR PERSONAL OR COMMERCIAL USE IS POSSIBLE. INDIVIDUALS USING THE SAME WATERBOTTLE ARE ABLE TO MEET AND COMBINE THEIR BOTTLES TOGETHER TO EITHER COOK TOGETHER, OR CREATE A SMALL ELECTROLYSIS BASED HYDROGEN PRODUCTION PLANT. OTHERWISE - USE THEM FOR INDIVIDUAL BATTERIES, OR A GAS TANK, OR - IF YOU'RE A SLOPPY DRUNK FEEL FREE TO TAKE ONE TO VEGAS FOR YOUR BOOZEFEST OR SOBER UP OVER SOME BOBA TEA (LARGE STRAWS), TIRED OF DRINKS? STEAM UP SOME: MEATBALLS, POSTICKERS, OR RICE-BALLS.

OTHERWISE - SANITIZE YOUR MEDICAL FIELD INSTRUMENTS WITH STEAM FROM THIS VESSEL SIPHONED INTO ANOTHER ONE "I JUST ATE OUT OF THAT!" - YEAH, BETTER THAN NOTHING; OTHERWISE BUY ANOTHER ONE.

STAYING IN?

DO IT ALL INSIDE. GOING CAMPING? TAKE IT WITH YOU. WORKS FOR BOTH. THE SKILLS AND RECIPES YOU DEVELOP AT HOME INSTANTLY TRANSITION TO: CAMPING, CHEMISTRY, AEROSPACE, ELECTRICAL & MECHANICAL ENGINEERING AND SO ON - ALL WITH THIS BASIC TOOL WHICH YOU CAN USE ALONE, WITH A FAMILY, ACROSS A GROUP, OR AS A BUSINESS.

A LID FOR ANY HEAT SOURCE:

- ALONG THE SIDE OF A WOOD FIRE, HUNG ABOVE ON A BAILER
  - ON TOP OF AN ELECTRIC OR GAS BURNER
  - ON A GRILL
  - ON YOUR COMPUTER DESK OR IN THE KITCHEN PLUGGED INTO THE OUTLET
  - OVER YOUR BUNSEN BURNER
  - POTENTIALLY EVEN ON AN INDUCTION STOVE IF YOUR NALGENE BOTTLE IS MAGNETIC AND METAL (A FUTURE PRODUCT.) OTHERWISE - THIS ONE IS 100% STAINLESS AND WILL LAST A LIFETIME.
- WANT TO START A SCIENCE (STEM) PROJECT? HOW ABOUT A STEAM POWERED CAR, LOCOMOTIVE, OR EVEN A PADDLEBOAT?
- PREFER SOMETHING MORE MODERN? USE YOUR WATER BOTTLE TO FILL A HYDROGEN BLIMP OR EVEN AN AEROSTAT AIRSHIP THAT YOU LIGHT UP, FLY AROUND, AND SHOOT LASERS AGAINST. WIFI SIGNAL BAD IN THE YARD? KEEP IT UP FOR A WHILE AS A REPEATER. THIS BOTTLE + LID COMBO IS VERSATILE.

NEED A WATER SPRAYER FOR A HOT DAY - PRESSURIZE YOUR BOTTLE AND SPRAY YOURSELF, YOUR FLOWERS, OR YOUR FRIENDS AND FAMILY.

TIRED OF USING WATER IN A WATER BOTTLE? INTERESTED IN A GOKART OR A MOPED? NOW YOU HAVE A FUEL TANK FOR EITHER.

DID YOUR FRIENDS ALL GO OUT AND BUY SUBSIDIZED ELECTRIC CARS? ADD AN ELECTROLYTE AND SWAP THE EASILY REMOVED CATHODE/ANODE TO BUILD A WATER BOTTLE BATTERY OR CAPACITOR BASED DRAGSTER.

**NOT ENOUGH POWER FOR YOUR EVIL GENIUS  
HYDROGEN LAIR? STRING A FEW TOGETHER.**

WORKS FOR GENERALLY ANYTHING. OTHERWISE, YOU WILL SPEND 100X MORE ON CONSUMABLE PRODUCTS THAT ARE EITHER THROWN AWAY OR DO NOT MEET YOUR INDIVIDUAL NEEDS - LET ALONE THE EDUCATIONAL ONES OF A SMALLER PERSON WHO ALSO: GET THIS - DRINKS WATER AND NEEDS A NON-SPILL LID... WHICH THIS IS. GAME CHANGING BABY BOTTLE. GIANT BABY SAYS: "GIVE ME WARM MILK AT AN EXACT TEMP WITHOUT WATCHING IT AND MAINTAIN THAT TEMPERATURE!" EASILY DOABLE WITH THIS LID AND ITS PARTS. JUST DON'T GAS IT BEFOREHAND, NO ROBOT BABIES.

IS THERE A BETTER WAY? NO, THERE IS NOT A CHEAPER, HIGHER VALUE, MORE NUMERABLE USE CASE TOOL AVAILABLE. YOUR ONLY ALTERNATE IS TO PAY MORE TO CONSUME MORE ACROSS A WIDER VARIETY OF PRODUCTS THAT ARE MADE IN OTHER COUNTRIES AND WITH A VARIETY OF CONFLICTING INSTRUCTIONS THAT YOU HAVE TO LEARN AND WHICH LEAVE YOU FRANKLY - DUMBER, POORER, AND LESS PREPARED.

BOILING WATER IS STEP 1, BAKING IS STEP 2. WHY? FLOUR, RICE, AND BEANS ARE HIGH CALORIE AND HIGH PROTEIN ALONG WITH OTHER ITEMS THAT REQUIRE HIGH HEAT (IDEALLY STEAM) OVER A LONGER PERIOD OF TIME. A DOUBLE BOILER FACILITATES THIS, AND WHEN BAKING YOU CAN USE A TRIPLE BOILER (TWO POTS SETUP TO BAKE - 1 BIG ON TOP OF 1 SMALL WITHIN A THIRD LARGE POT THAT PROVIDES STEAM.) THE SAME LARGE POT CAN BE BURIED WITH COALS (DUTCH OVEN) - BUT WITHOUT NEEDING TO BE MADE OF CAST IRON BECAUSE THE WATER DISPERSES THE COAL HEAT.

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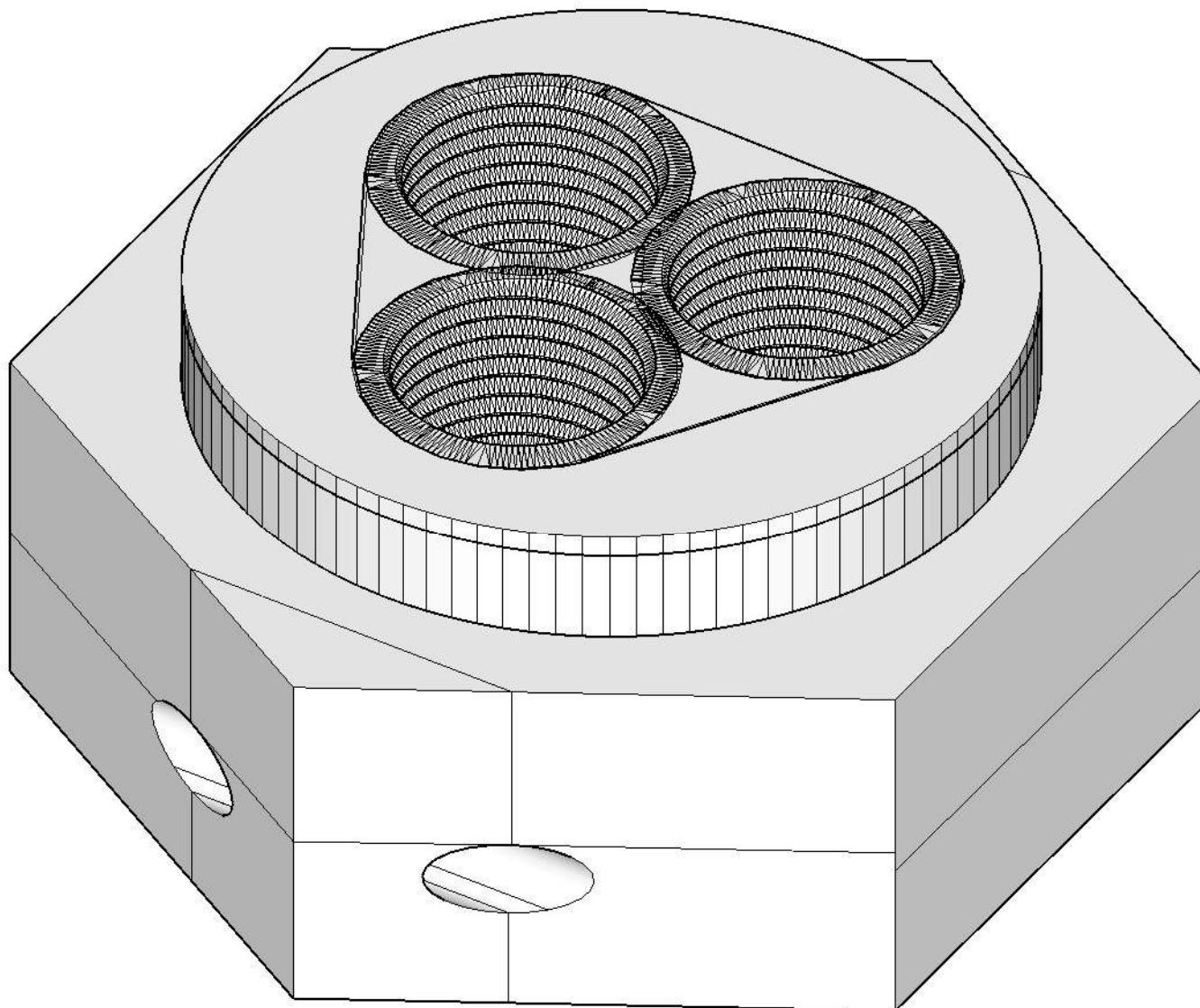
**GROUP**  
STAINLESS LID &  
ADAPTER KITS

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SWW

**ORIGINAL ISSUANCE**  
2023.08.01

**REVISION HISTORY**  
2023.10.20

**DESCRIPTION**  
NALGENE LID WITH  
BAILER & TRIPLE  
.5IN NPT

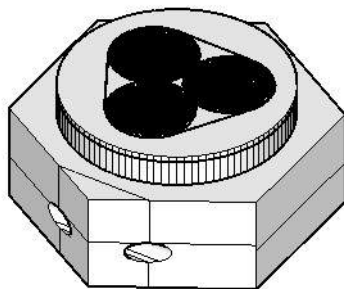


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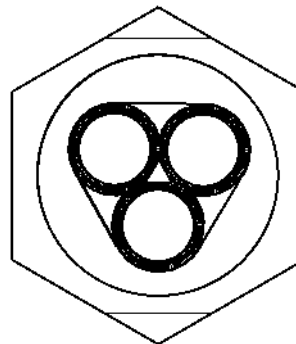
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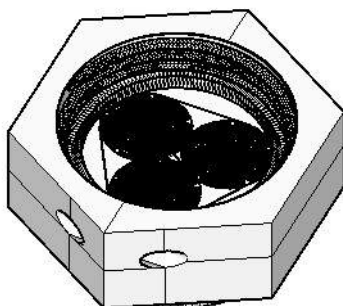
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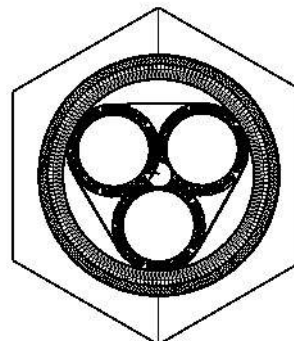
A2.1B TOP



A2.1C 3D BOTTOM



A2.1D BOTTOM



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PUBLIC SALE

**GROUP**  
STAINLESS LID &  
ADAPTER KITS

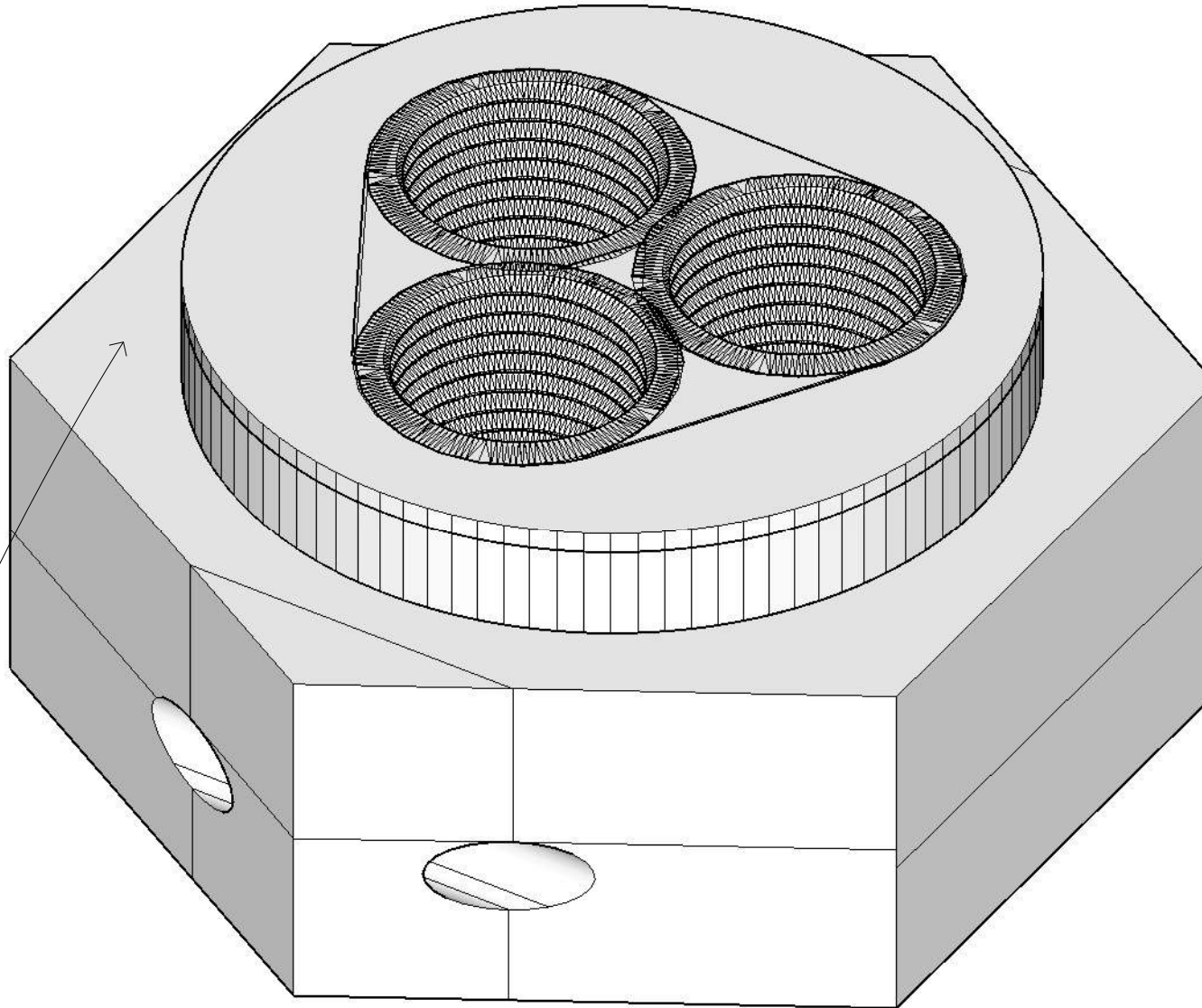
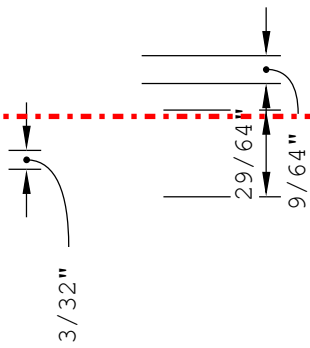
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2023.10.20

**DESCRIPTION**  
COMPOSITE #1

**A2.0**



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**CUSTOMER**  
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**GROUP**  
STAINLESS LID &  
ADAPTER KITS

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2023.08.01

**REVISION HISTORY**  
2023.10.20

**DESCRIPTION**  
3D TOP

STANDARD  
FOR .5" NPT THREAD  
DETAILS.

**A2.1A**

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**SHEET NUMBER:**  
**A.1 ESTIMATE**

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SHEET NUMBER:  
A.2 NALGENE LID TO .5IN NPT

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**CUSTOMER**  
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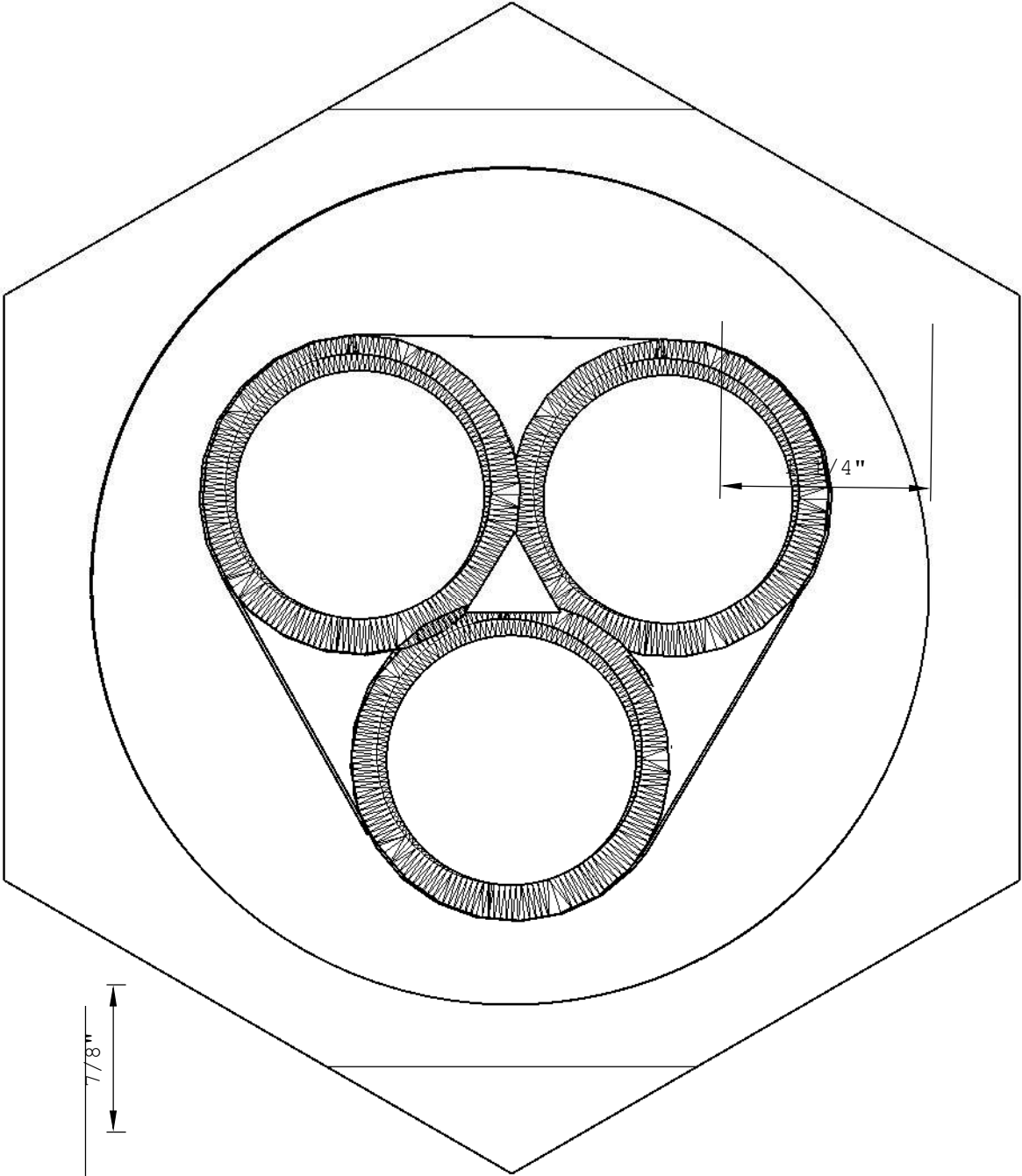
**GROUP**  
STAINLESS LID &  
ADAPTER KITS

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**REVISION HISTORY**  
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**DESCRIPTION**  
TOP



**A2.1B**

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**SCALE**  
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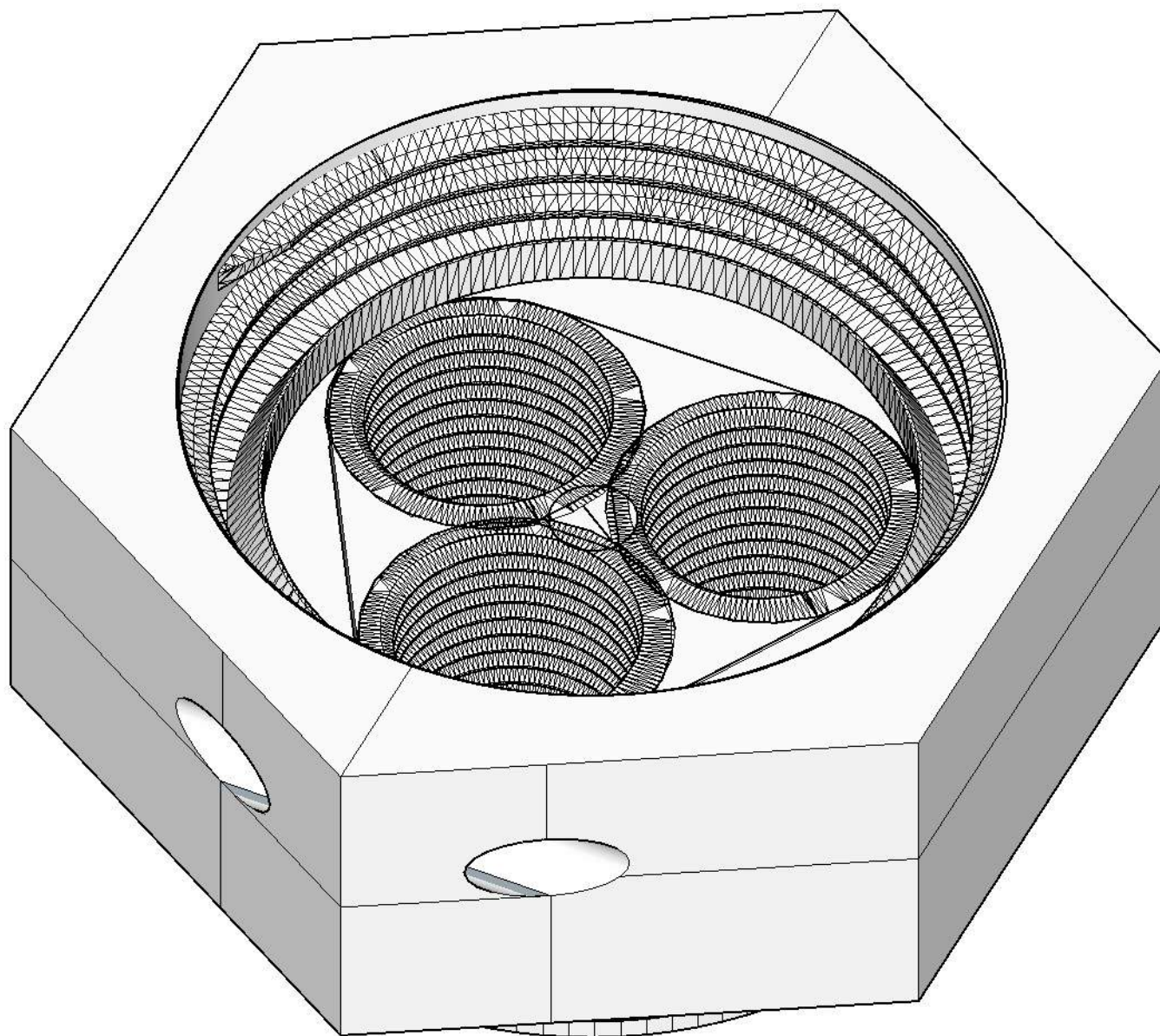
**GROUP**  
STAINLESS LID &  
ADAPTER KITS

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**REVISION HISTORY**  
2023.10.20

**DESCRIPTION**  
3D BOTTOM



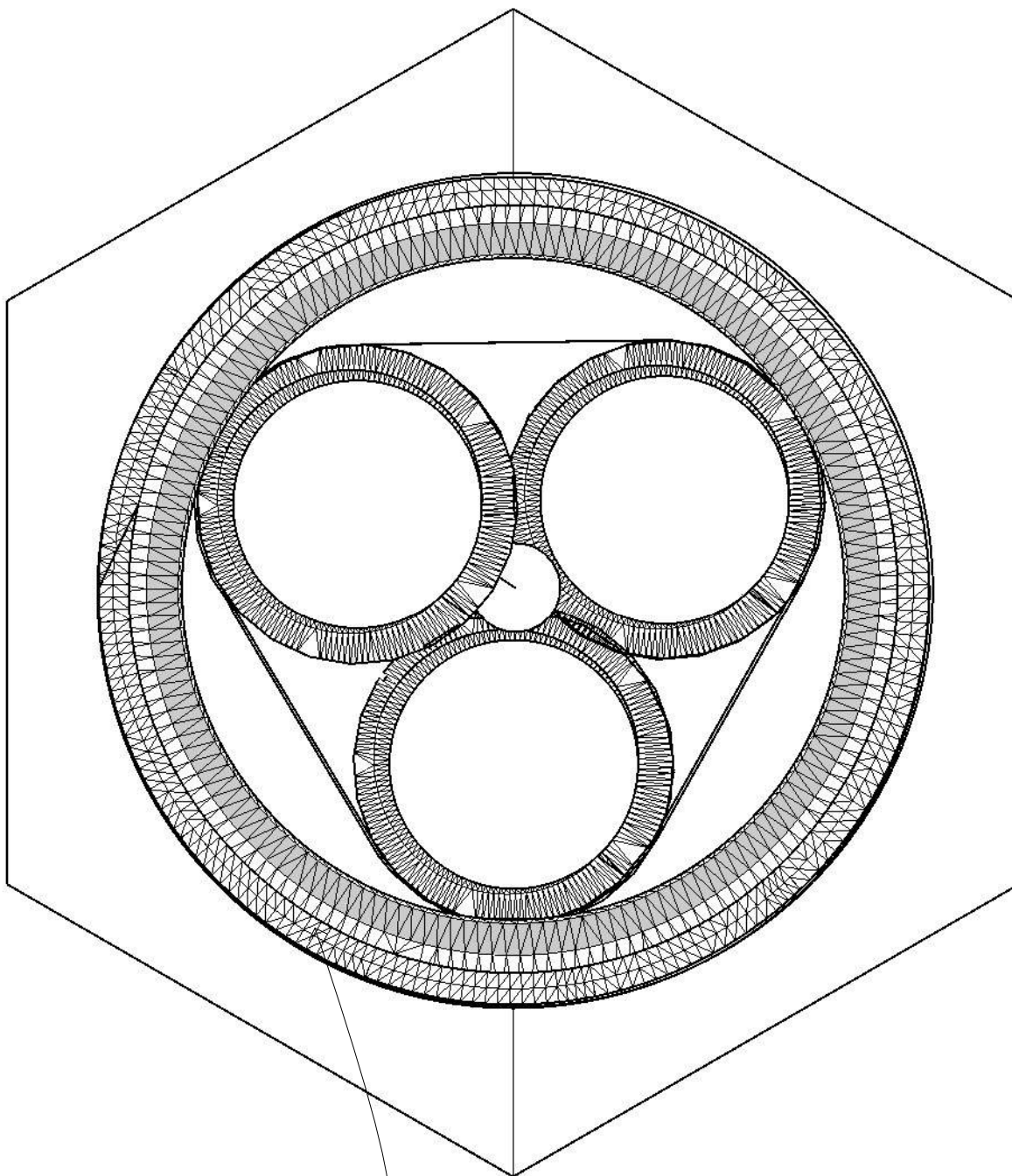
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**SHEET NUMBER:**  
**A.2 NALGENE LID TO .5IN NPT**



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**SCALE**  
ORTHOGRAPHIC  
2mm:1mm  
ON 11"WX8.5"H

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
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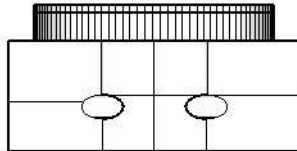
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**A2.1D**

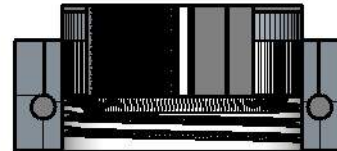
SEE EXISTING NALGENE SHOP DRAWINGS FOR  
THREAD DETAILS

EMBOSS: "PROPITIATION" ON  
UNDERSIDE, OFFER CUSTOMIZATION..

A2.2A FRONT



A2.2B AXIAL SECTION



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**SCALE**  
ORTHOGRAPHIC  
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ON 11"WX8.5"H

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PUBLIC SALE

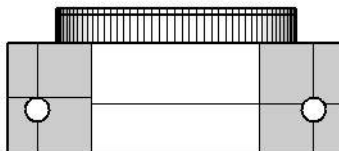
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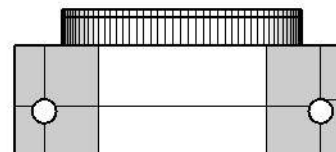
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A2.2C LEFT

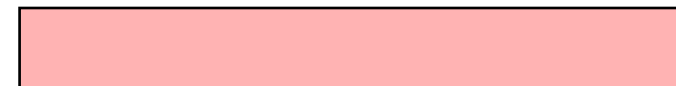


A2.2D RIGHT



**DESCRIPTION**  
COMPOSITE #2

**A2.2M**



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SHEET NUMBER:  
A.2 NALGENE LID TO .5IN NPT

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SCALE  
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ON 11"WX8.5"H

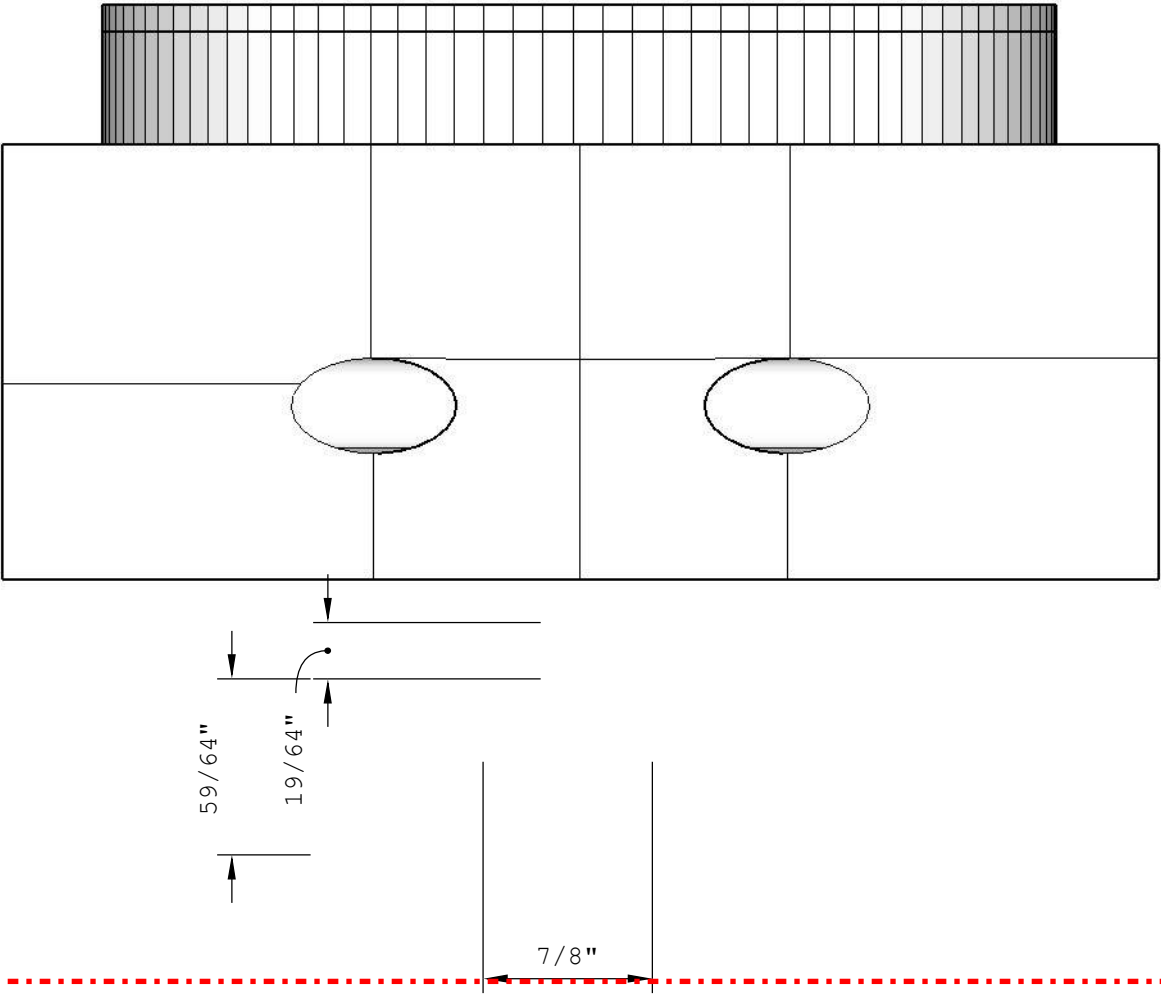
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PUBLIC SALE

GROUP  
STAINLESS LID &  
ADAPTER KITS

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DESCRIPTION  
FRONT

A2.2A

COMPANY  
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SCALE  
ORTHOGRAPHIC  
2mm:1mm  
ON 11"WX8.5"H

CUSTOMER  
PUBLIC SALE

GROUP  
STAINLESS LID &  
ADAPTER KITS

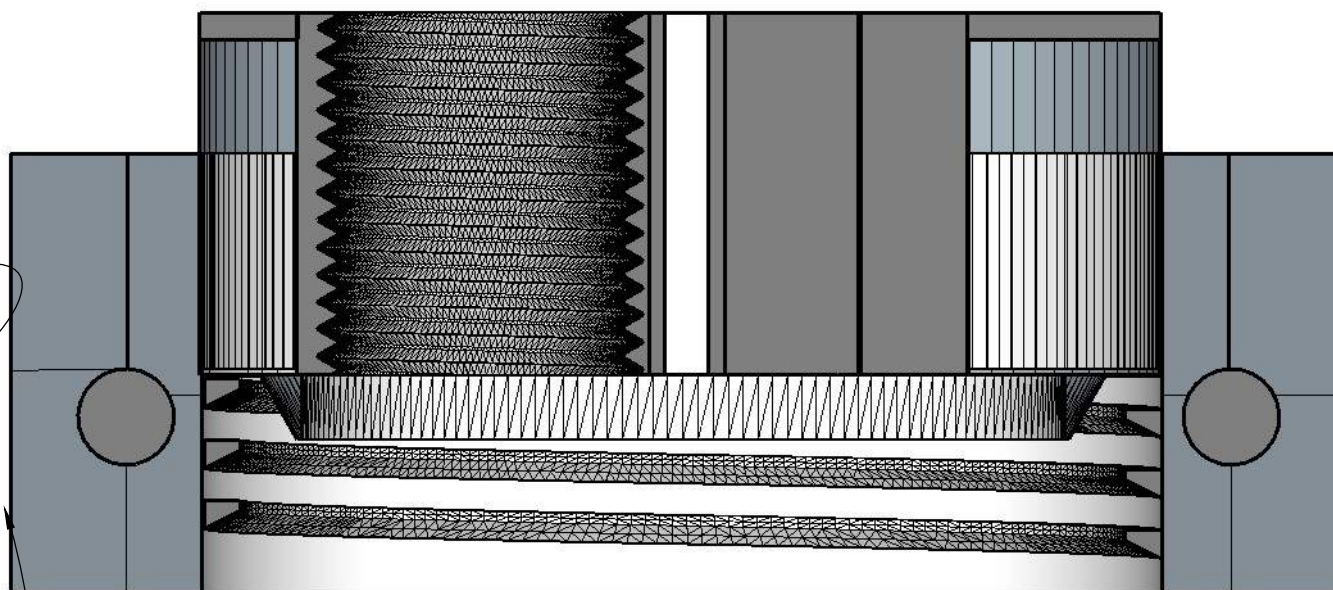
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DESCRIPTION  
AXIAL SECTION

A2.2B



ES)

E THREADS

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SHEET NUMBER:  
A.1 ESTIMATE

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**SHEET NUMBER:**  
**A.2 NALGENE LID TO .5IN NPT**

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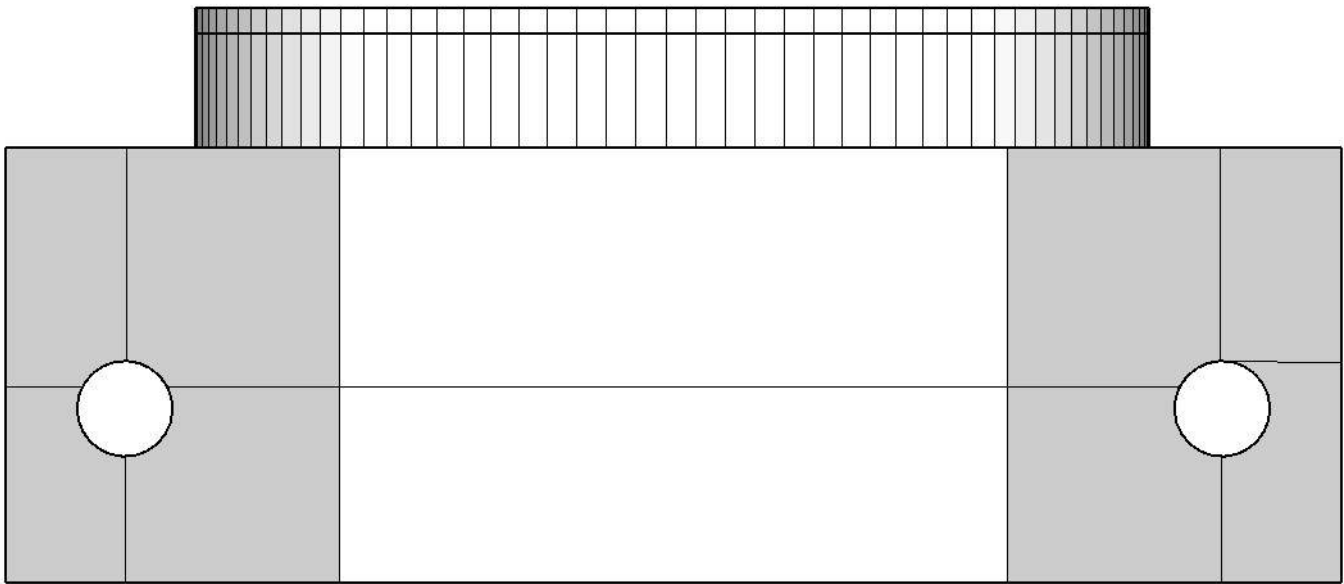
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**GROUP**  
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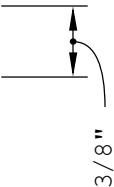
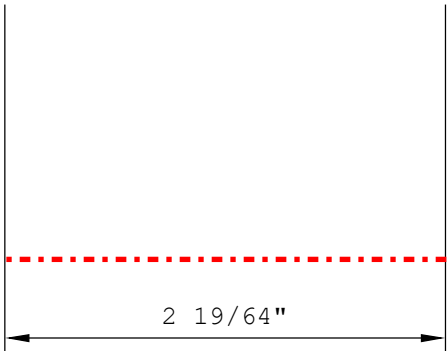
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**REVISION HISTORY**  
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**DESCRIPTION**  
LEFT

**A2.2C**



**COMPANY**  
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**SCALE**  
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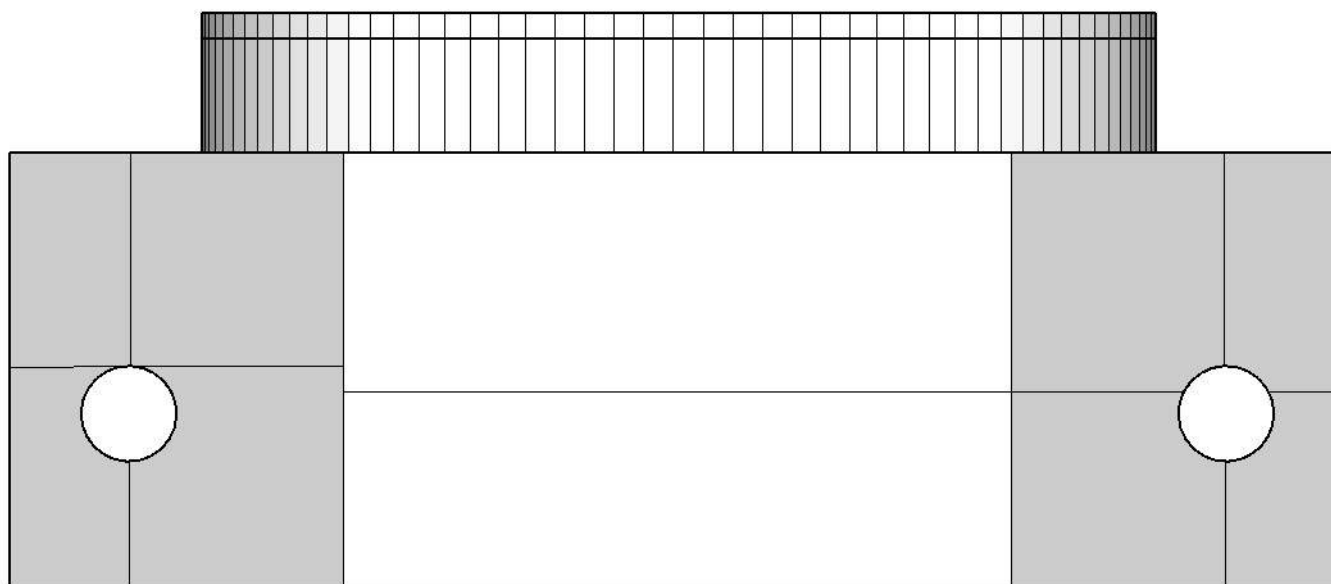
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**GROUP**  
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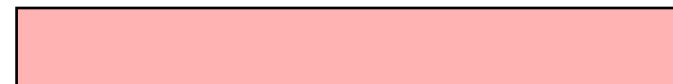


**DESCRIPTION**  
RIGHT

**A2.2D**

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SHEET NUMBER:  
A.2 NALGENE LID TO .5IN NPT



LAYOUT

**COMPANY**  
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**SCALE**  
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**GROUP**  
STAINLESS LID &  
ADAPTER KITS

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**REVISION HISTORY**  
2023.10.20

**DESCRIPTION**  
LAYOUT FOR  
FABRICATION

A2 . L



## FABRICATION

1. 3D PRINT IN PLASTIC TO TEST FITTING AND SEAL. REVISE 3D PRINT MATERIAL TO METAL - ALUMINUM TO TEST, THEN STAINLESS FOR FINAL PROTOTYPE.
2. 3D PRINT AS WAX MOLD AND SAND CAST IN ALUMINUM, THEN SAND CAST IN STAINLESS. TO ALLOW FOR LOWER COST AND MORE ECONOMIES OF SCALE. REPLICATABLE WITH SMALL SAND CASTING FOUNDRY AND MOLD. (MODERATE PRICE.)
- 2A. 3D PRINT AS WAX MOLD AND CAST IN ALUMINUM WITHOUT .5IN NPT THREADS, MAINTAIN THREE 3/8" HOLES AT CENTER OF EACH .5" NPT CONNECTION THEN TAP WITH TAP SET FOR TIGHTER THREADS.
3. FASTER FABRICATION METHOD: REUSABLE HIGH HEAT INNER MOLD WITH CLAMSHELL SAND CAST - CAST MULTIPLE SIMULTANEOUSLY WITHOUT WAX.

### **LINK TO 3D MODEL:**

(SKETCHUP .SKP FILE) AND 3D PRINTER .STL FILE

<https://u.pcloud.link/publink/show?code=kZsC3iVZMEeKzQRCGkmICwO0Hw6hYunelv7V>

### **COMPANY**

300X3.COM

### **SCALE**

TEXT

10 POINT

### **CUSTOMER**

PUBLIC SALE

### **GROUP**

STAINLESS LID &  
ADAPTER KITS

### **DRAWN BY**

SWW

### **ORIGINAL ISSUANCE**

2023.08.01

### **REVISION HISTORY**

2023.10.20

### **DESCRIPTION**

FABRICATION  
NOTES

# A2 . F

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**SHEET NUMBER:**  
**A.1 ESTIMATE**

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SHEET NUMBER:  
A.2 NALGENE LID TO .5IN NPT



ASSEMBLY

NECESSARY TESTING:

1. PRESSURE UP TO \_\_\_\_\_ psi, PRESSURE RELEASE VALVE, AUTO OFF AT TEMPERATURE, 2.  
OPERATION WHILE MOBILE.

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TEXT  
10 POINT

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GROUP  
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2023.08.01

REVISION HISTORY  
2023.10.20

DESCRIPTION  
ASSEMBLY NOTES

A2 . A



## PROCUREMENT

### **NALGENE LID AND THREADS**

USED FOR THREADS ALONE.

URL: <https://www.thingiverse.com/thing:3302538>

**AUTHOR: CASECRAFTS**

### **.5IN NPT THREADS - COUPLING ADAPTER**

USED FOR THREADS ALONE.

URL: <https://www.thingiverse.com/thing:3645815>

**AUTHOR: INLAB**

### **MATERIAL:**

VO. WAX

V1. ALUMINUM

V2. STAINLESS.

A. NALGENE GASKET: METAL TO METAL WITH METAL RIM AT LID.

B. .5" NPT FITTING GASKET (BY ATTACHMENT OR ACCESSORY.)

### **COMPANY**

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### **SCALE**

TEXT

10 POINT

### **CUSTOMER**

PUBLIC SALE

### **GROUP**

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### **DESCRIPTION**

PROCUREMENT

# A2 . P

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**A.1 ESTIMATE**

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SHEET NUMBER:  
A.2 NALGENE LID TO .5IN NPT

**USECASES**

- 1. DRINKING: DRINKING TUBES, .5IN NPT TO FRICTION FITTING ADAPTER, OPTIONAL PRESSURE RELEASE, MEDICAL CLAMP FOR TUBE.
- 2. COOKING: BOILING & STEAM HEATING ELEMENT (INCLUDING: PERFORATED COVER, SWITCH AND TEMPERATURE CONTROL,) BRAIDED STAINLESS LINE WITH INTEGRATED PRESSURE RELEASE VALVE TO ADDITIONAL VESSELS, .5IN NPT MALE TO MALE ADAPTER AT END OF EACH LINE OR STANDARD MALE CONNECTION.
- 3. COOKING ALTERNATE: HANG OVER FIRE AS STANDARD BAILER WITHOUT VACUUM SEAL ON BOTTLE.
- 4. HEATS THE FOLLOWING SHAPES THROUGH STEAM OR HOT WATER BATH: BALLS, CUBES, SMALL FILLETS - ANYTHING THAT EXTRACTS EASILY WHEN LID IS OPENED. NOT: SMALL GRANULES OR BATTER UNLESS INDIVIDUALLY WRAPPED.
- 5. SANITIZING: STEAM (SAME ACCESSORIES AS COOKING.)
- 6. FUEL TANK: GLASS EYE, BRAIDED STAINLESS TUBE, VACUUM PRESSURE RELEASE.
- 7. CAPACITOR OR BATTERY: ADD ELECTROLYTE, POSITIVE ANODE, AND NEGATIVE ANODE. TYPE: LIQUID BASED: [HTTPS://EEPOWER.COM/CAPACITOR-GUIDE/TYPES](https://eepower.com/capacitor-guide/types)

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SCALE  
TEXT  
10 POINT

CUSTOMER  
PUBLIC SALE

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2023.10.20

DESCRIPTION  
USECASES

A2 . U1



**EXAMPLE LAYOUT: SINGLE BOILER DAISY CHAIN TO MULTIPLE VESSELS WITH INDIVIDUAL PRESSURE RELEASE**

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**SCALE**

NOT APPLICABLE,  
SKETCH

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
STAINLESS LID &  
ADAPTER KITS

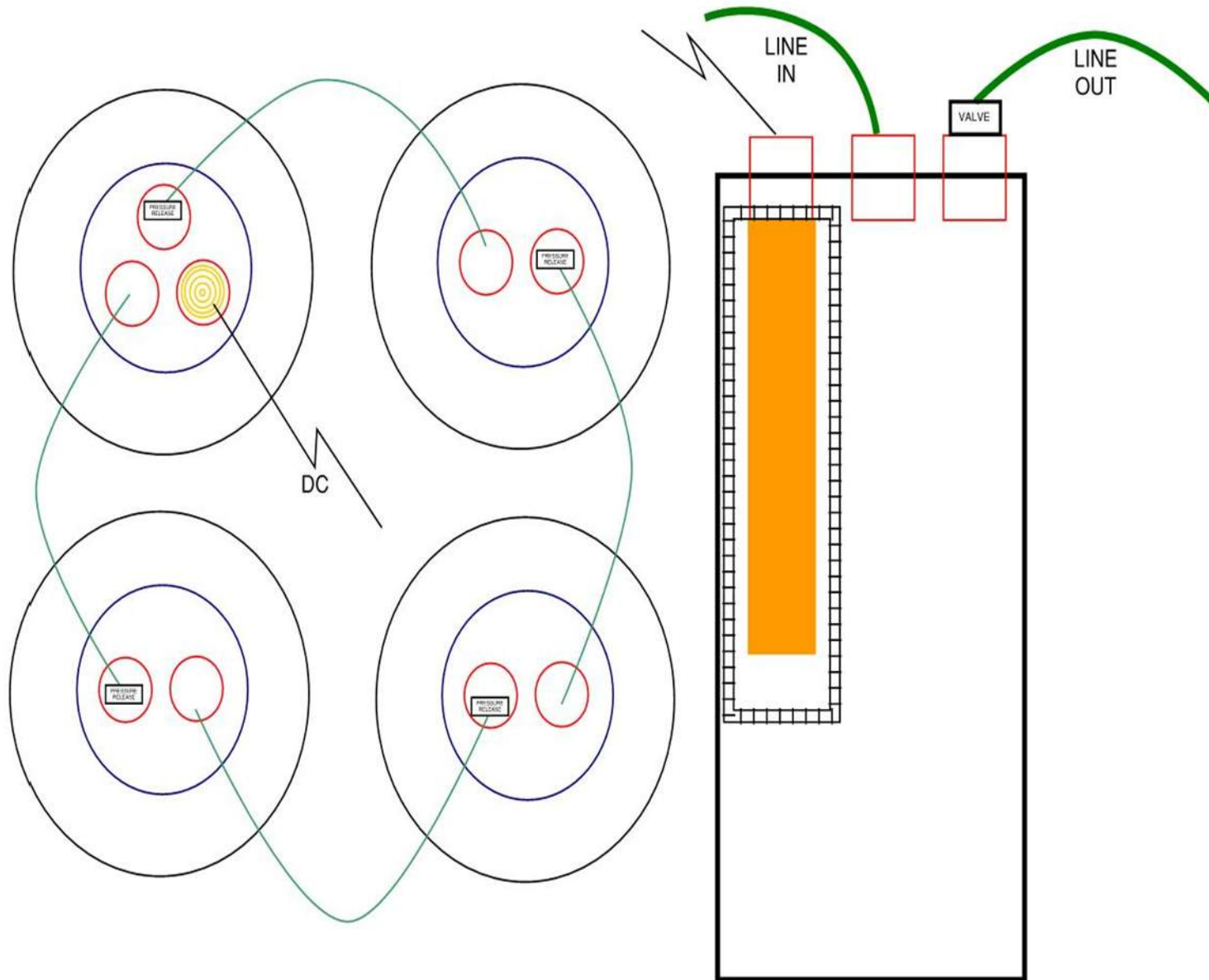
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2023.08.01

**REVISION HISTORY**  
2023.10.20

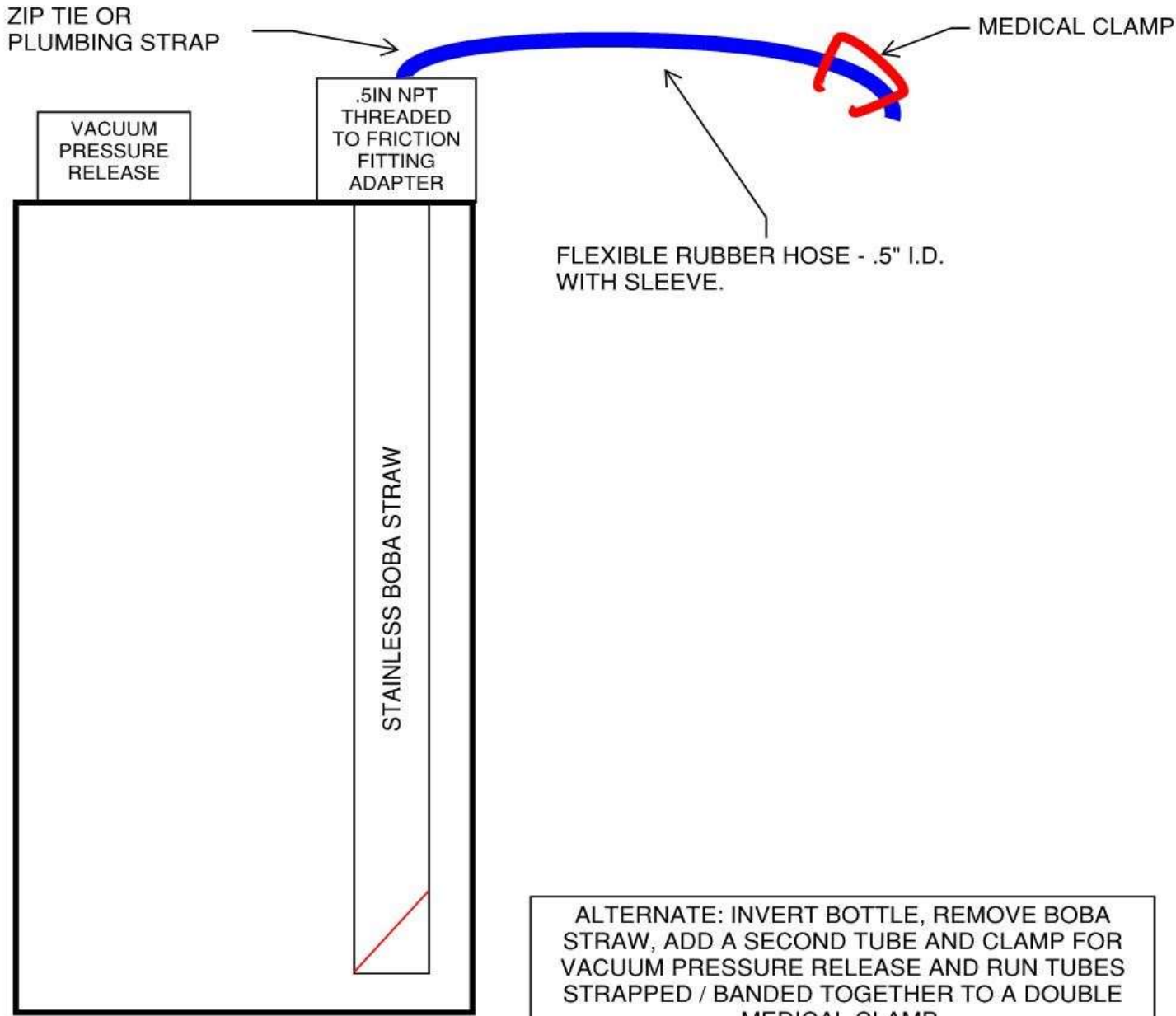
**DESCRIPTION**  
BOILER USE CASE

**A2 . U2**





EXAMPLE USE CASE: HYDRATION DRINKING HOSE



ALTERNATE: INVERT BOTTLE, REMOVE BOBA STRAW, ADD A SECOND TUBE AND CLAMP FOR VACUUM PRESSURE RELEASE AND RUN TUBES STRAPPED / BANDED TOGETHER TO A DOUBLE MEDICAL CLAMP.

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300X3.COM

**SCALE**  
NOT APPLICABLE,  
SKETCH

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
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**DESCRIPTION**  
HYDRATION TUBE  
USE CASE

**A2.U3**



EXAMPLE USE CASE: CAPACITOR OR HYDROGEN PRODUCTION VESSEL  
(HYDROGEN REQUIRES MANUAL SALT WATER FILL WITH LID REMOVED)

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SCALE

NOT APPLICABLE,  
SKETCH

CUSTOMER

PUBLIC SALE

GROUP

STAINLESS LID &  
ADAPTER KITS

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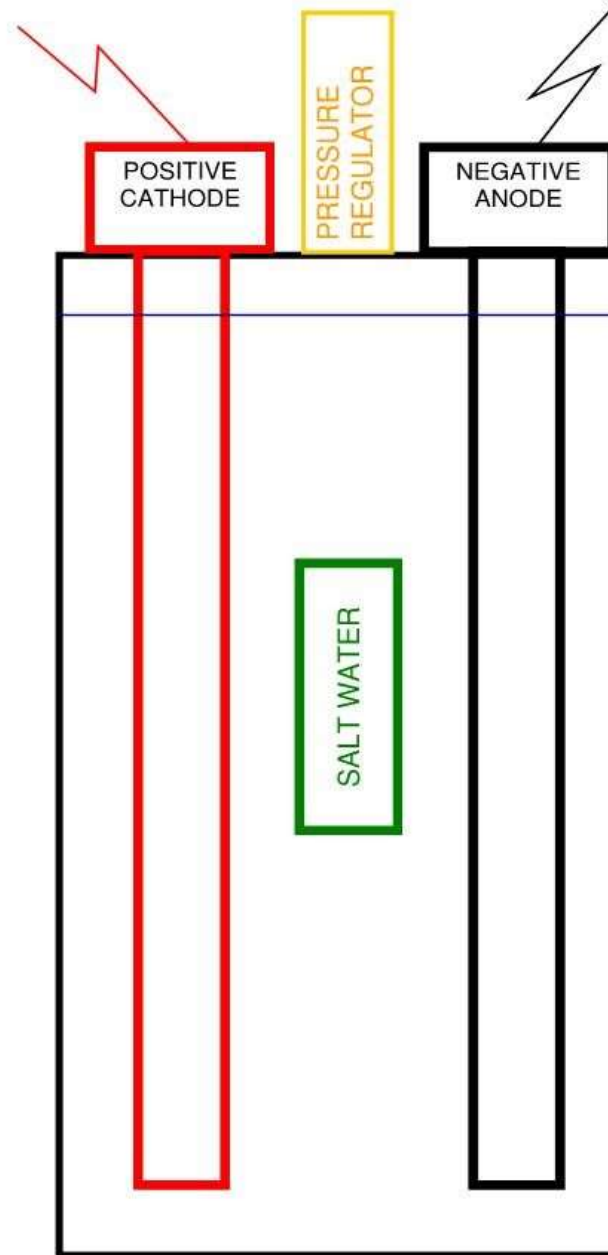
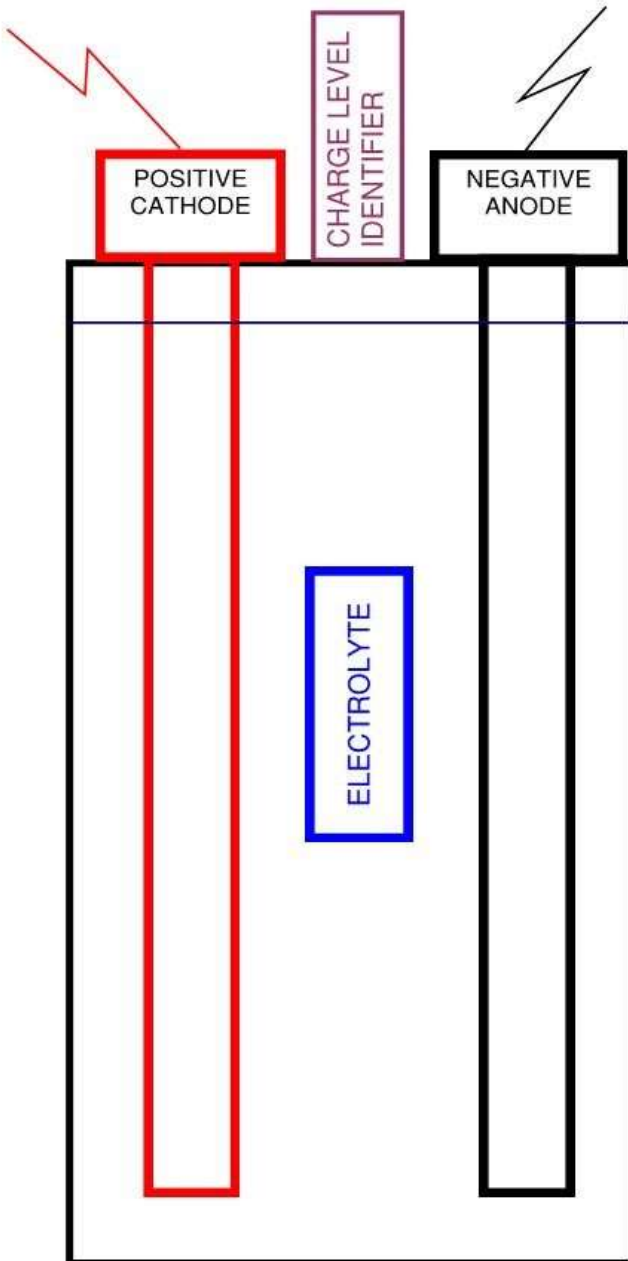
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2023.10.20

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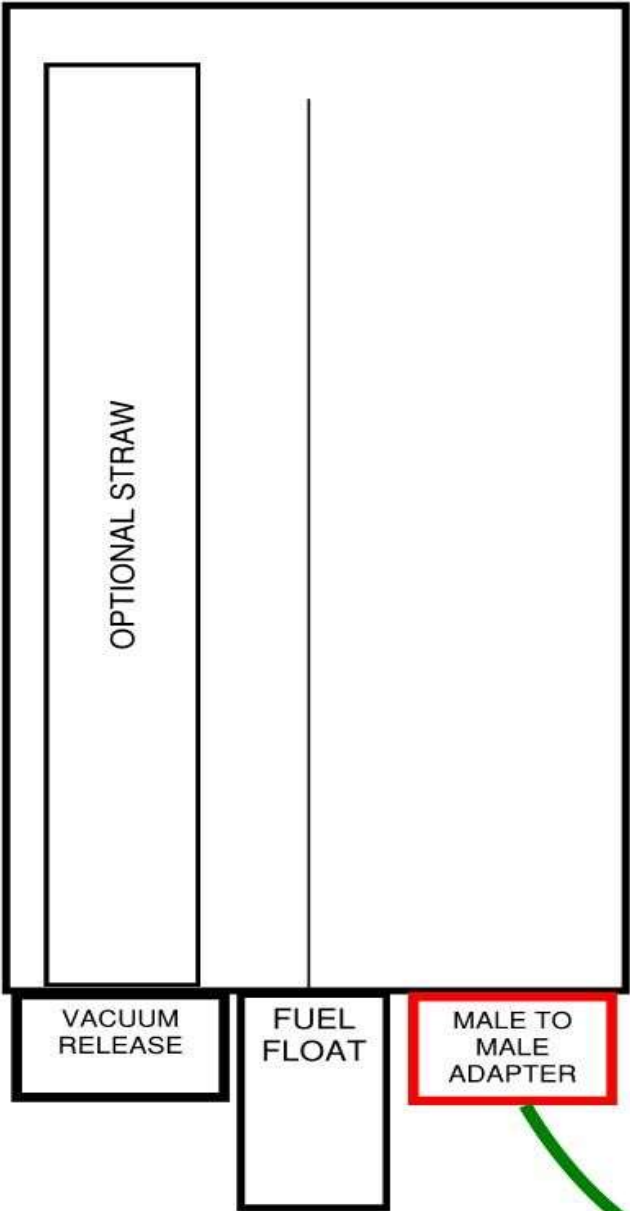
BATTERY USE CASE

A2.U3





EXAMPLE USE CASE: FUEL TANK



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**SCALE**  
NOT APPLICABLE,  
SKETCH

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
STAINLESS LID &  
ADAPTER KITS

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2023.10.20

**DESCRIPTION**  
FUEL TANK USE CASE

**A2.U3**

ESTIMATE

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**SCALE**

TEXT  
10 POINT

**CUSTOMER**

PUBLIC SALE

**GROUP**

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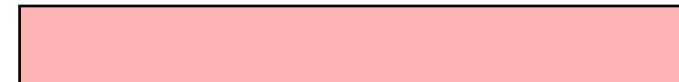
**DESCRIPTION**

ESTIMATE

**A2 . E**

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**SHEET NUMBER:**  
**A.1 ESTIMATE**



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**SHEET NUMBER:**  
**A.2 NALGENE LID TO .5IN NPT**

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**COMPANY**  
300X3.COM

**SCALE**

TEXT  
10 POINT

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
STAINLESS LID &  
ADAPTER KITS

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.01

**REVISION HISTORY**  
2023.10.20

**DESCRIPTION**  
3D PDF

**A2 . 3D**



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PART:



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SHEET NUMBER:

STANLEY LID TO .5IN  
NPT

[illegible]

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ON 11"WX8.5"H

**CUSTOMER**  
PUBLIC SALE

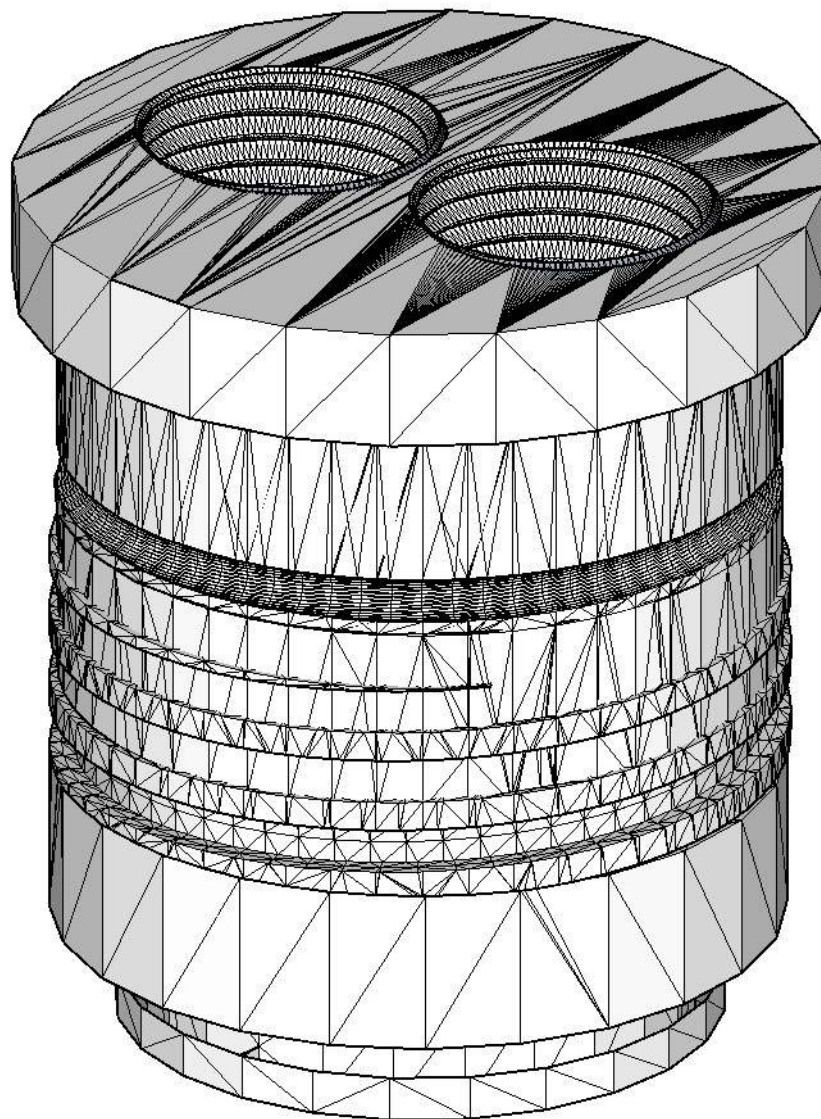
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STAINLESS LID  
& ADAPTER KITS

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SWW

**ORIGINAL ISSUANCE**  
2023.08.03

**REVISION HISTORY**  
2023.10.21

**DESCRIPTION**  
STANLEY THERMOS  
ADAPTER TO .5IN NPT

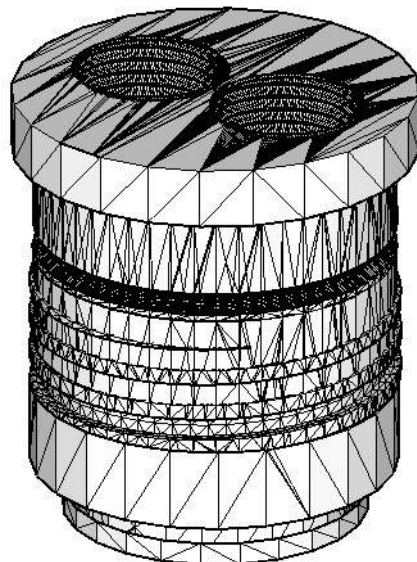


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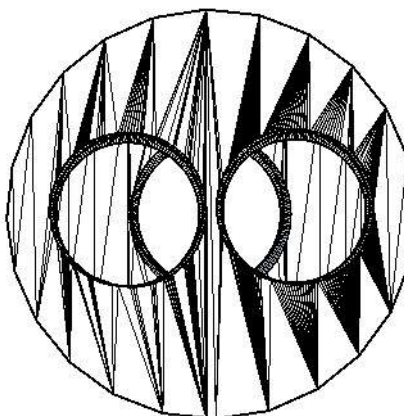
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**SHEET NUMBER:**  
A.1 ESTIMATE

A2.1A 3D TOP



A2.1B TOP



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**CUSTOMER**  
PUBLIC SALE

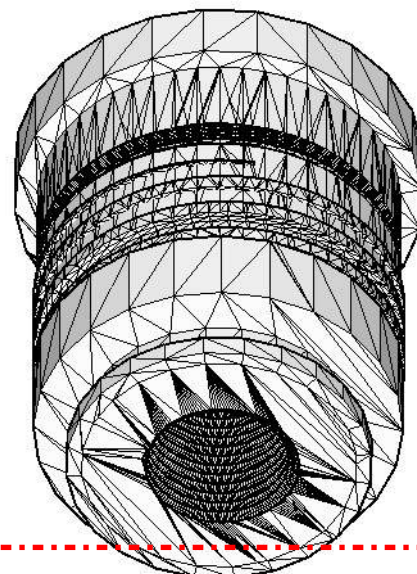
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STAINLESS LID  
& ADAPTER KITS

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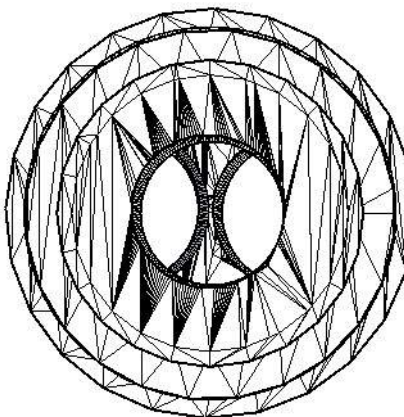
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2023.10.21

A2.1C 3D BOTTOM



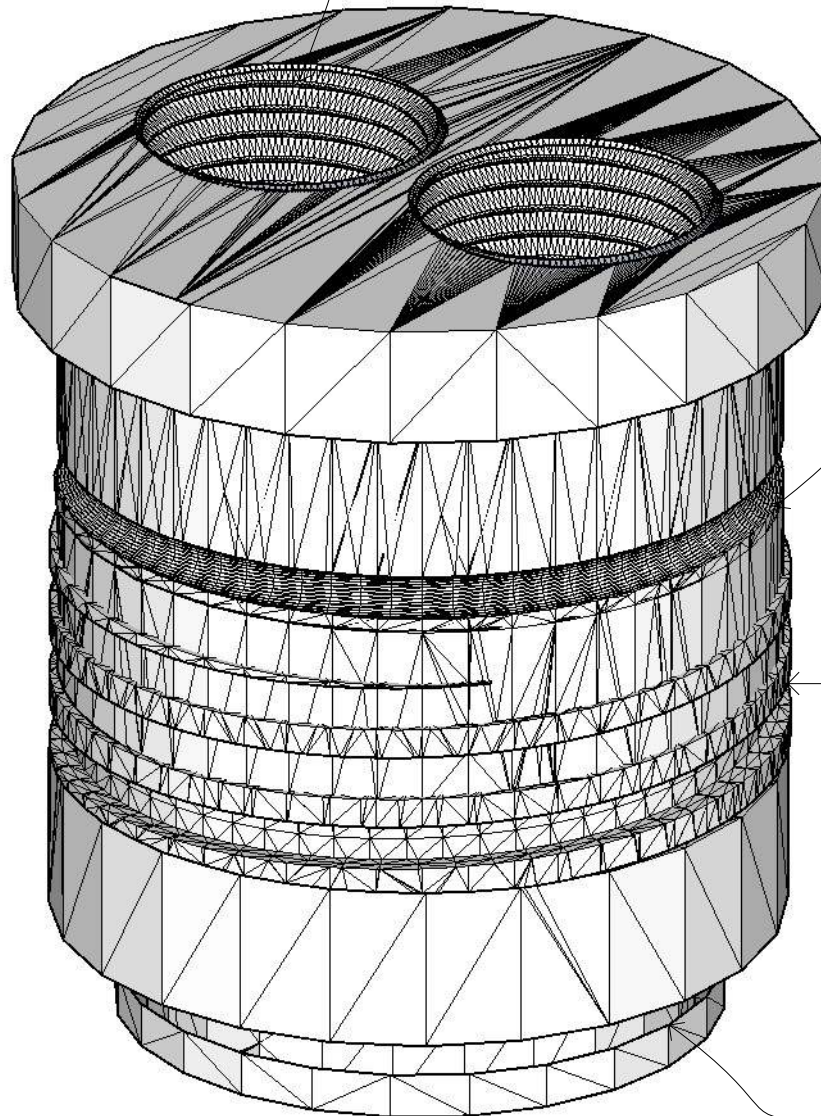
A2.1D BOTTOM



**DESCRIPTION**  
COMPOSITE #1

**A2.1M**

.5IN NPT THREADS



O-RING

STANLEY THERMOS  
THREADS

O-RING

**COMPANY**  
300X3.COM

**SCALE**  
ORTHOGRAPHIC  
2mm:1mm  
ON 11"WX8.5"H

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
STAINLESS LID  
& ADAPTER KITS

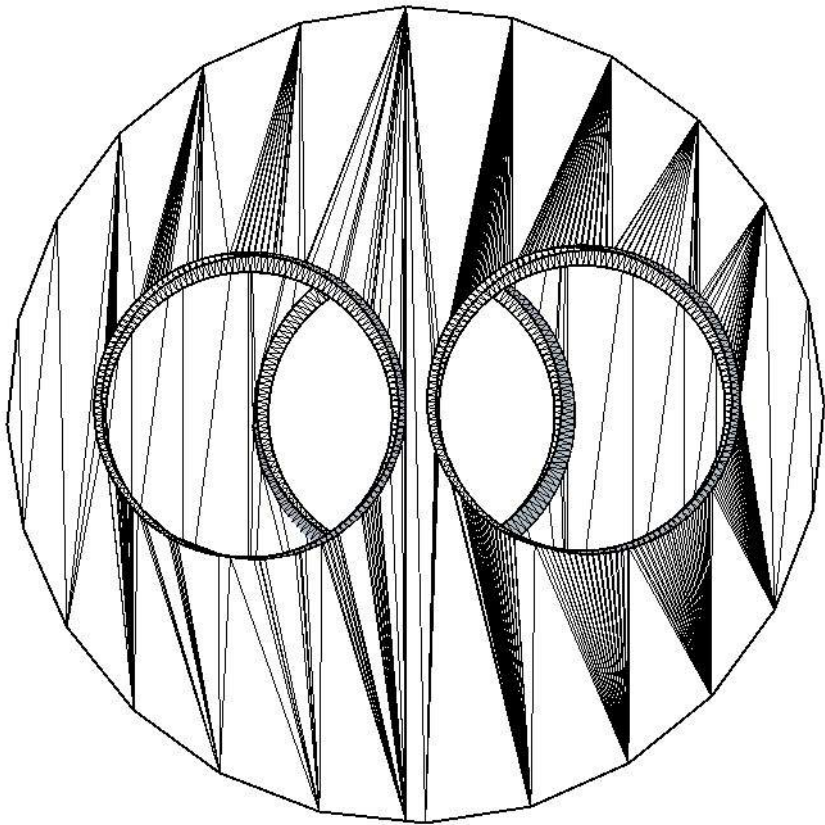
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**DESCRIPTION**  
3D TOP

**A2.1A**



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**SCALE**  
ORTHOGRAPHIC  
2mm:1mm  
ON 11"WX8.5"H

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
STAINLESS LID  
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**DESCRIPTION**  
TOP

**A2.1B**





**COMPANY**  
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**SCALE**  
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**CUSTOMER**  
PUBLIC SALE

**GROUP**  
STAINLESS LID  
& ADAPTER KITS

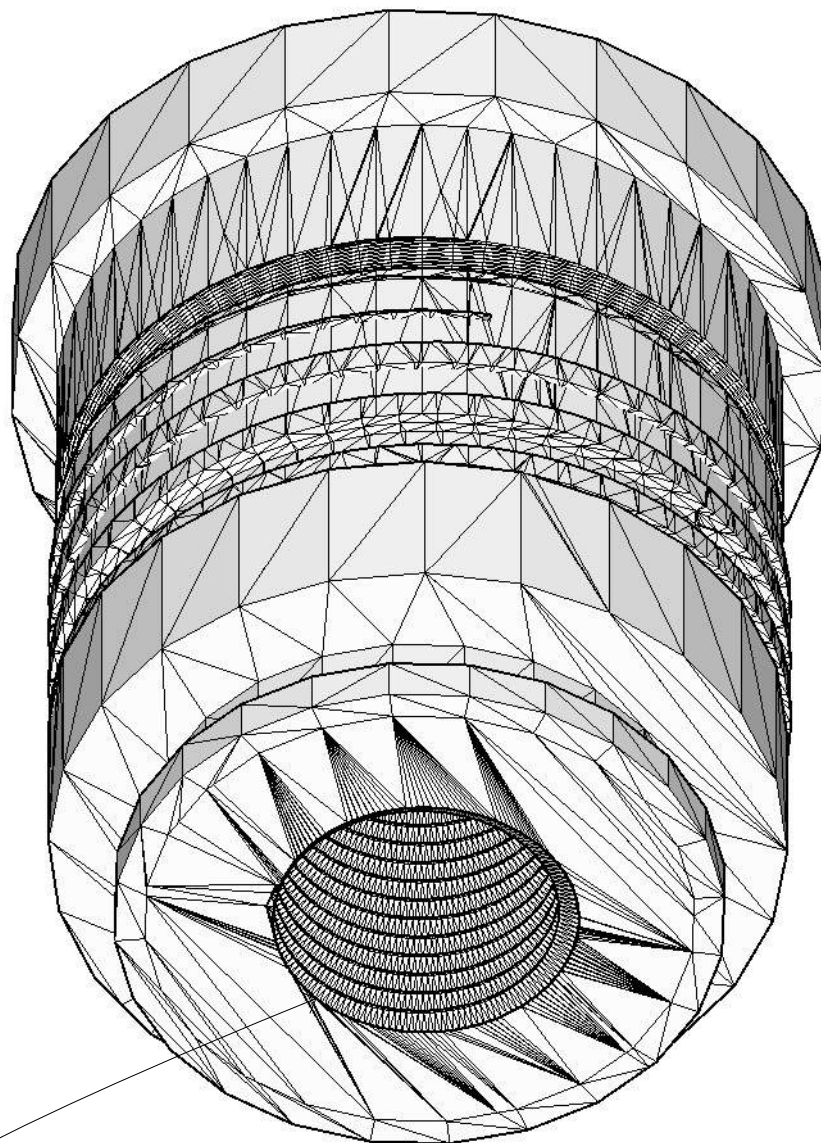
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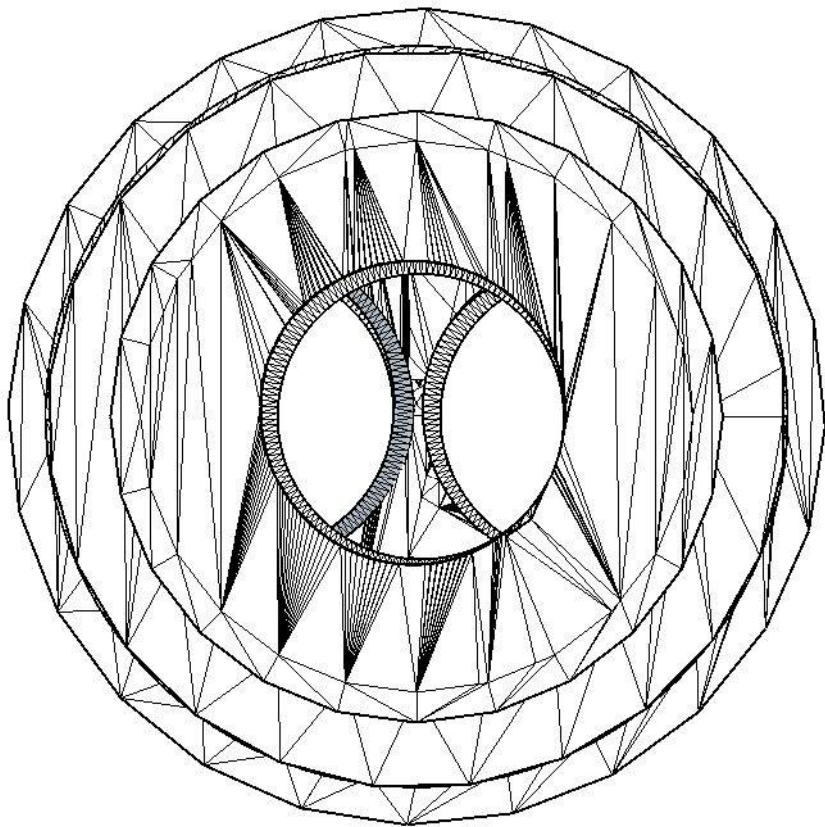
**A2.1C**



SECOND SET OF THREADS - STRAW

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A.1 ESTIMATE



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ORTHOGRAPHIC  
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ON 11"WX8.5"H

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PUBLIC SALE

**GROUP**  
STAINLESS LID  
& ADAPTER KITS

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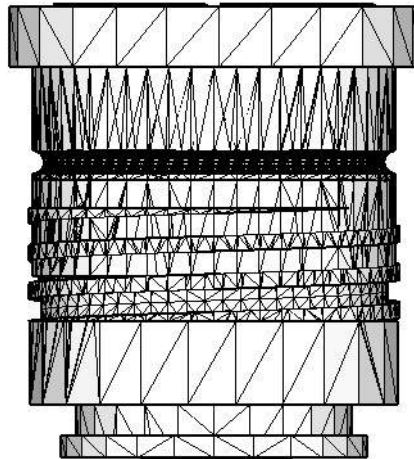
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2023.10.21

**DESCRIPTION**  
BOTTOM

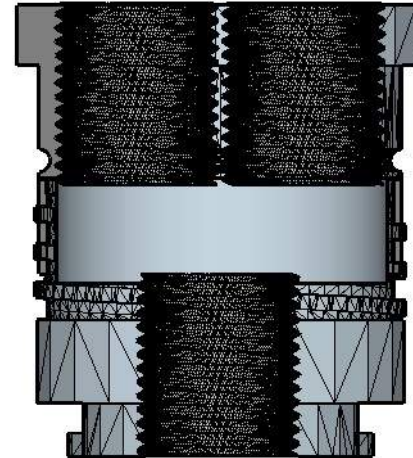
**A2.1D**



A2.2A FRONT



A2.2B AXIAL SECTION



COMPANY  
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SCALE  
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ON 11"WX8.5"H

CUSTOMER  
PUBLIC SALE

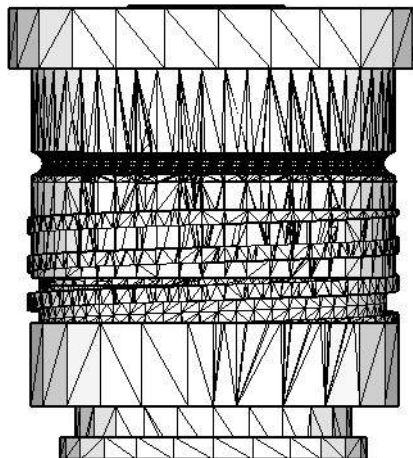
GROUP  
STAINLESS LID  
& ADAPTER KITS

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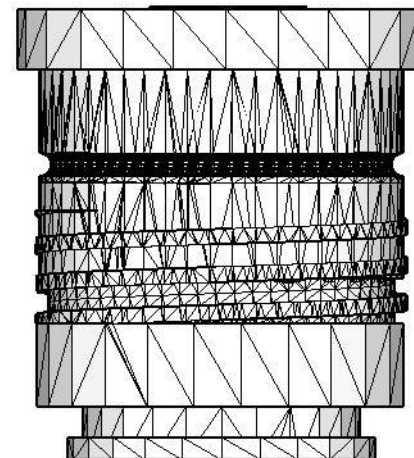
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A2.2C LEFT

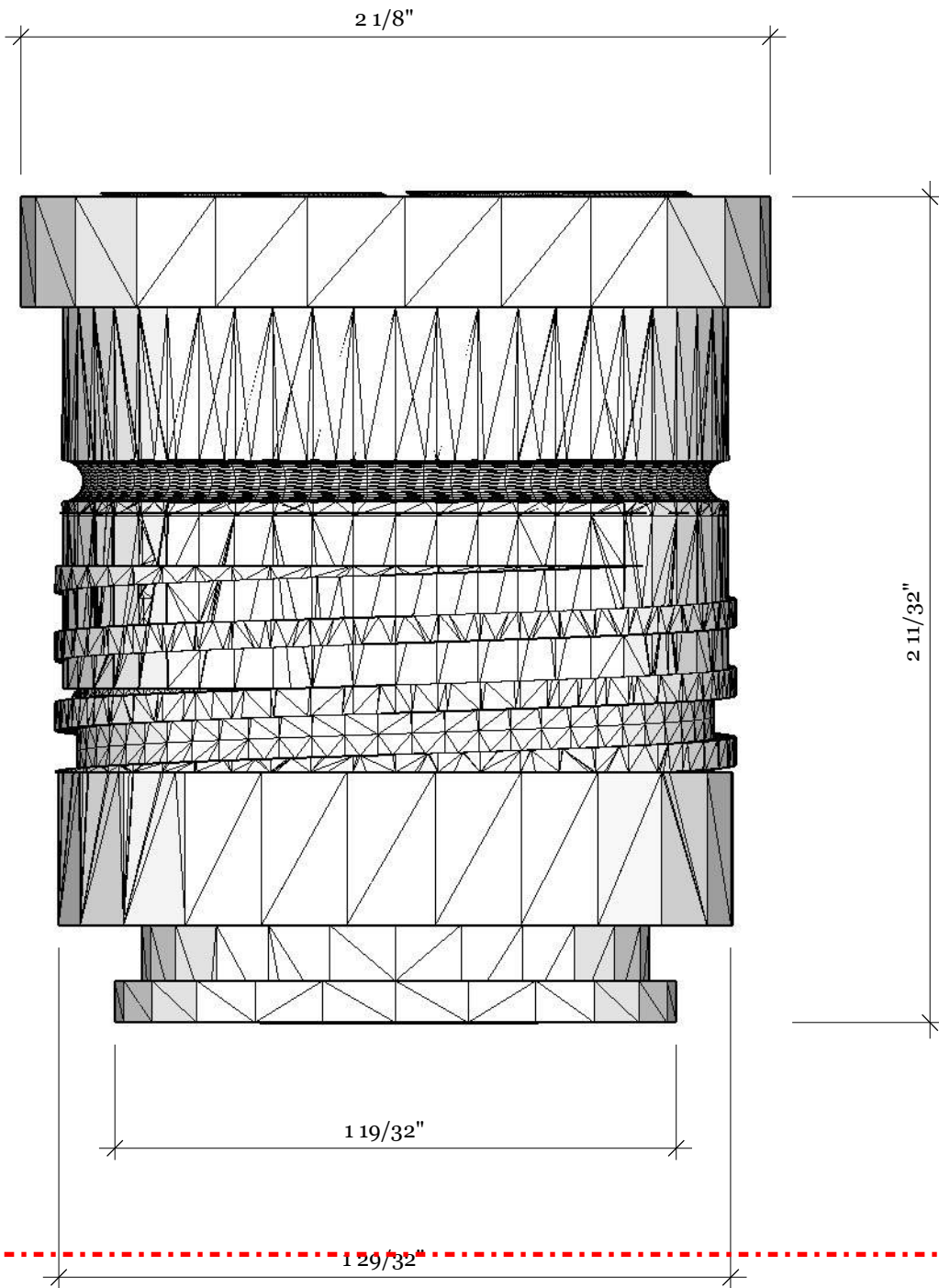


A2.2D RIGHT



DESCRIPTION  
COMPOSITE #2

A2.2M



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**SCALE**  
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2mm:1mm  
ON 11"WX8.5"H

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
STAINLESS LID  
& ADAPTER KITS

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2023.08.03

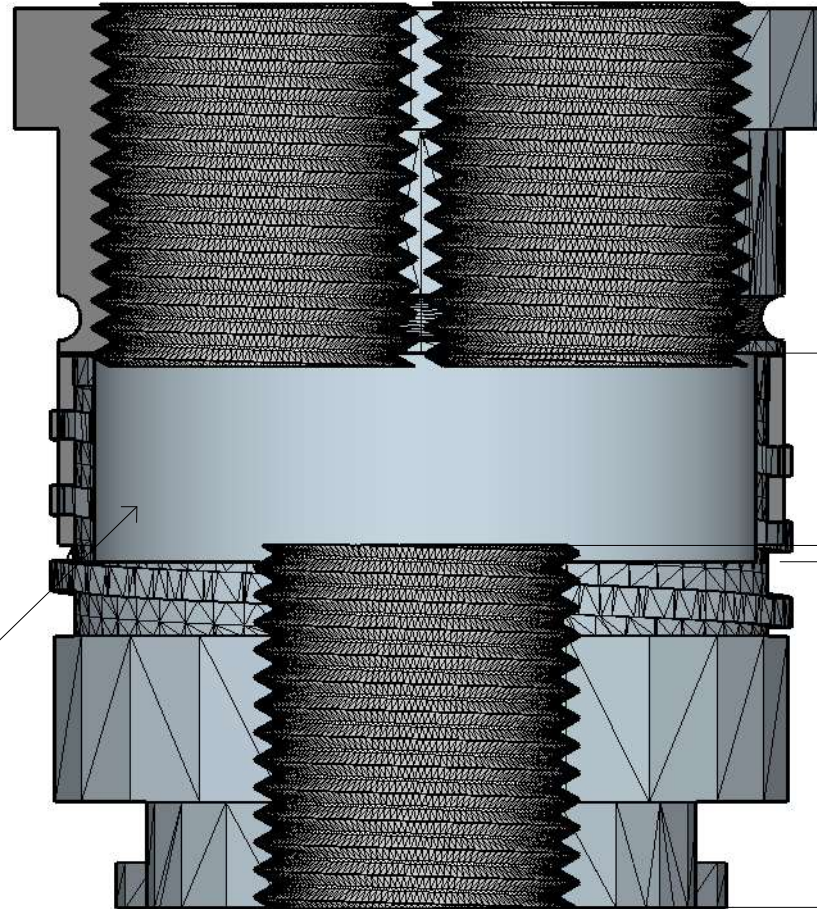
**REVISION HISTORY**  
2023.10.21

**DESCRIPTION**  
FRONT

**A2.2A**

2 1/8"

13/16"



CAVITY

1 19/32"

35/64"

15/16"

**COMPANY**  
300X3.COM

**SCALE**  
ORTHOGRAPHIC  
2mm:1mm  
ON 11"WX8.5"H

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
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**DESCRIPTION**  
AXIAL SECTION

**A2.2B**

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**SCALE**  
ORTHOGRAPHIC  
2mm:1mm  
ON 11"WX8.5"H

**CUSTOMER**  
PUBLIC SALE

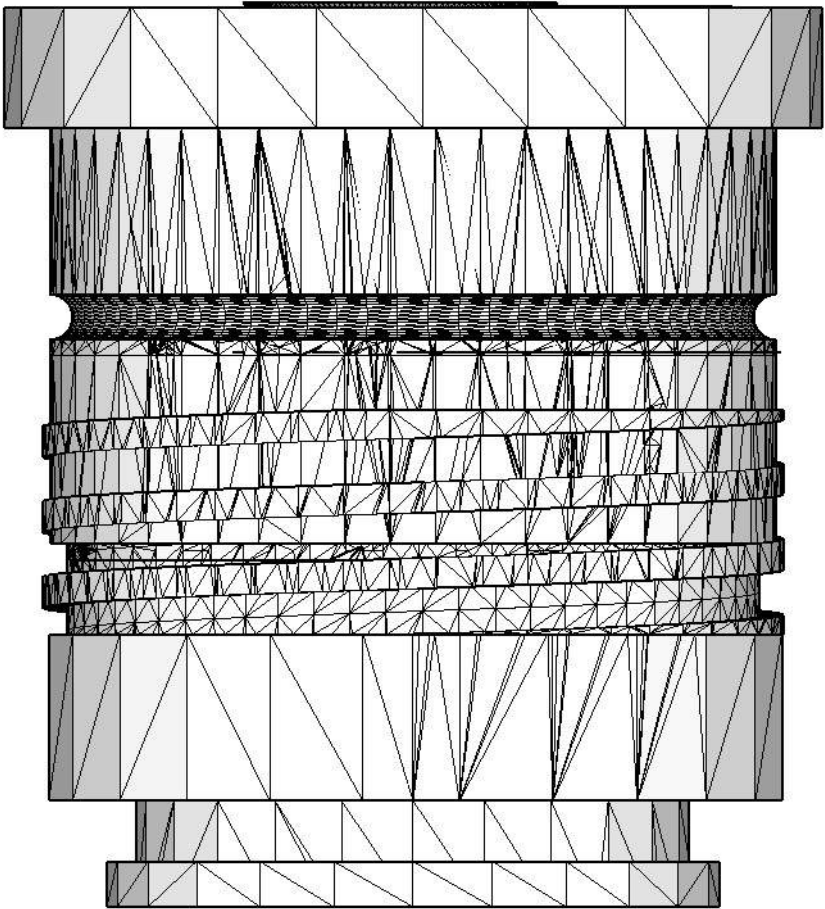
**GROUP**  
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2023.08.03

**REVISION HISTORY**  
2023.10.21

**DESCRIPTION**  
LEFT



**A2.2C**

**COMPANY**  
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**SCALE**  
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ON 11"WX8.5"H

**CUSTOMER**  
PUBLIC SALE

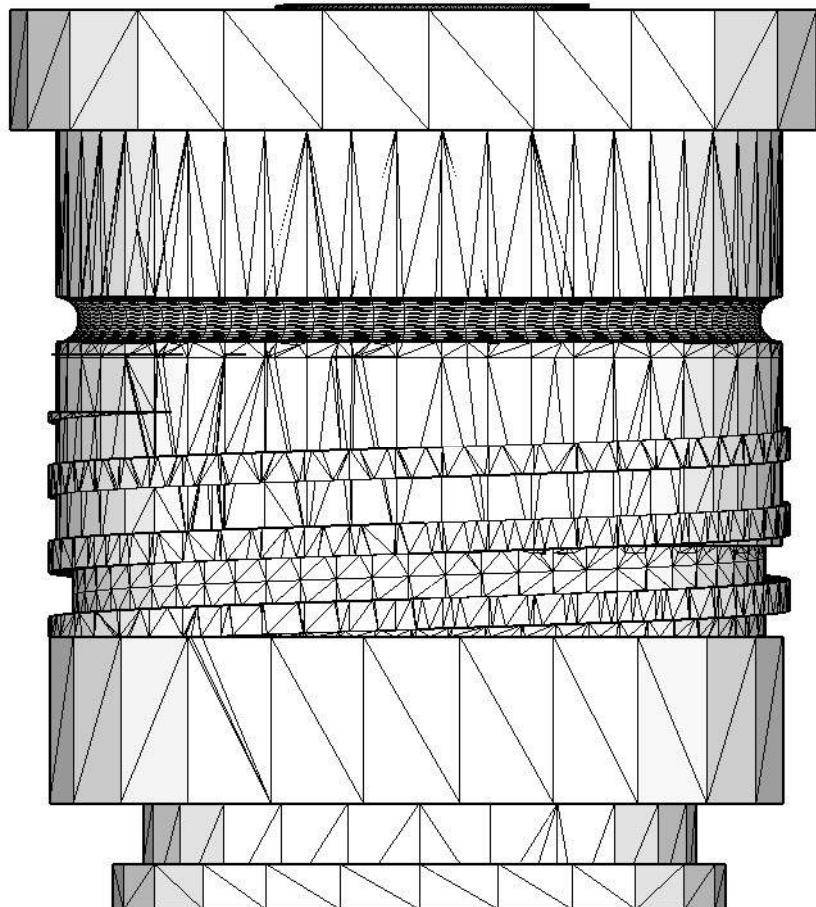
**GROUP**  
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2023.10.21

**DESCRIPTION**  
RIGHT

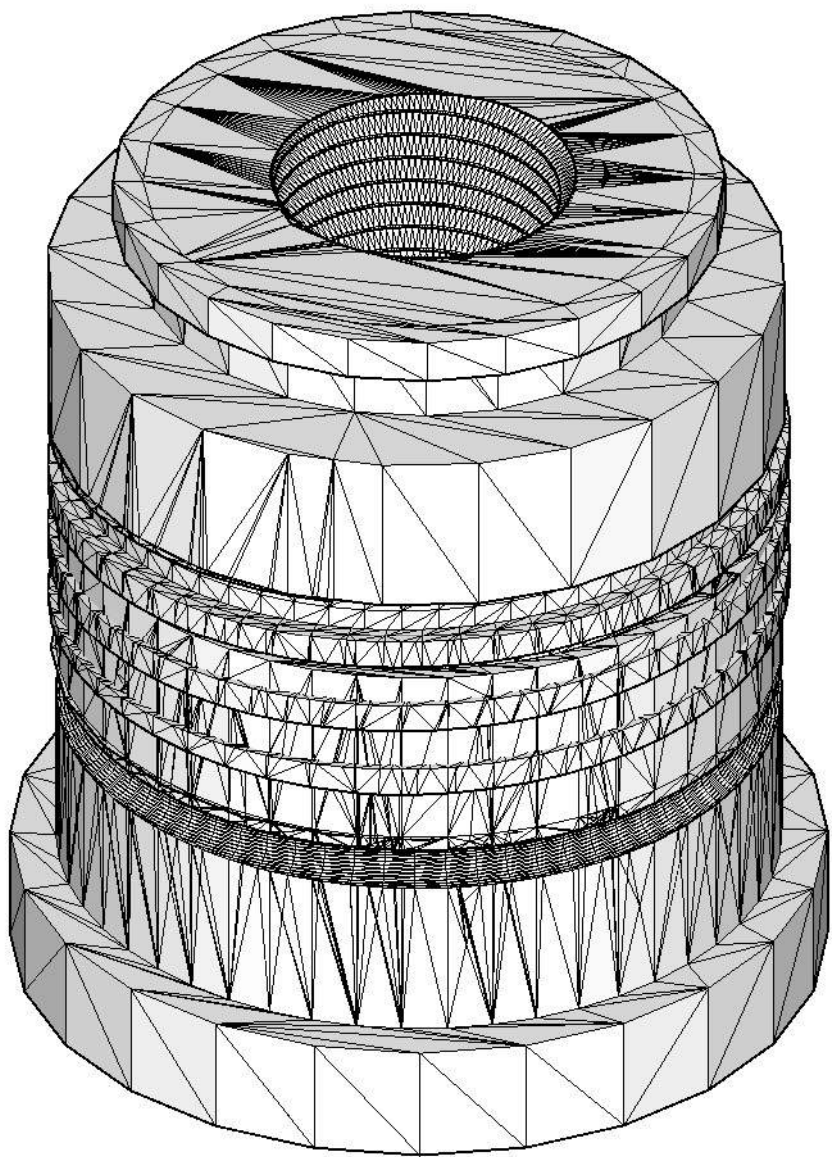


+

**A2.2D**

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**SHEET NUMBER:**  
A.1 ESTIMATE



**COMPANY**  
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**SCALE**  
ORTHOGRAPHIC  
2mm:1mm  
ON 11"WX8.5"H

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
STAINLESS LID  
& ADAPTER KITS

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.03

**REVISION HISTORY**  
2023.10.21

**DESCRIPTION**  
LAYOUT FOR  
FABRICATION

**A2.L**



## FABRICATION

### 3D PRINTING

0. 3D PRINT IN PLASTIC TO TEST, THEN METAL - ALUMINUM TO TEST, THEN STAINLESS (EXPENSIVE)
1. INNER CAVITY OF 3D PRINT WILL BE FULL OF SUPPORTS, USE MINIMAL SUPPORTING MATERIALS AS IT NEEDS TO BE REMOVED FROM THE THREADS.

### CASTING

- A. LARGE CAVITY BETWEEN TOP AND BOTTOM THREADS CANNOT BE REMOVED IF SOLID, MUST BE A DISPOSABLE INSERT THAT WILL NOT MELT. CERAMIC OVER WAX APPEARS TO BE THE CORRECT PROCESS.
- B. 3D PRINT WAX MOLD, OR POUR WAX INTO AN EXISTING PART MOLD
- C. COAT WAX WITH CERAMIC.
- D. SET IN SAND TO DISPERSE HEAT.
- E. POUR METAL INTO CERAMIC MOLD.
- F. CRACK AND REMOVE CERAMIC.

### LINK TO 3D MODEL:

(SKETCHUP .SKP FILE AND 3D PRINTABLE .STL FILE)  
<https://u.pcloud.link/publink/showcode=kZpH1NVZGxl4p1YQO28JD72rg4TAfjjtmE5y>

**COMPANY**  
300X3.COM

### SCALE

TEXT  
10 POINT

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
STAINLESS LID  
& ADAPTER KITS

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.03

**REVISION HISTORY**  
2023.10.21

**DESCRIPTION**  
FABRICATION  
NOTES

# A2 . F

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**SHEET NUMBER:**  
A.1 ESTIMATE



**ASSEMBLY**

1. FABRICATED BODY ASSEMBLY - PICKED CLEAN AND SANDED
2. ADD 2 O-RINGS

**NECESSARY TESTING:**

1. LEAK TEST
2. PRESSURE UP TO \_\_\_\_\_ psi, PRESSURE RELEASE VALVE, AUTO OFF AT TEMPERATURE, 2. OPERATION WHILE MOBILE.

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**SCALE**

TEXT  
10 POINT

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
STAINLESS LID  
& ADAPTER KITS

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**ORIGINAL ISSUANCE**  
2023.08.03

**REVISION HISTORY**  
2023.10.21

**DESCRIPTION**  
ASSEMBLY NOTES

**A2 . A**



## PROCUREMENT

### DESIGN MODELS:

1. <https://cults3d.com/en/3d-model/home/tapa-de-termo-compatible-von-termo-stanley>
2. AUTHOR: carocadelago2
3. PRIVATE & PERSONAL USE - CANNOT RE-SELL
4. ONLY NEEDED FOR THREADS, WILL HAVE TO REDRAW OR REQUEST UNLIMITED USE.

### RAW MATERIAL:

- VO. 3D PRINTED ABS PLASTIC FILAMENT  
VA. WAX FILAMENT  
VA1. ALUMINUM SHAVINGS / PELLETS / SCRAP  
VA2. STAINLESS SHAVINGS / PELLETS / SCRAP

### VA3. CERAMIC COATING

### PARTS:

1. TWO O-RINGS
2. FLEX-SEAL / FOOD SAFE DIP APPLIED AT .5" NPT LOCATIONS

### TOOLS:

- A. 3D PRINTER  
B. FOUNDRY  
C. CRUCIBLE  
D. FOUNDRY TOOLS  
E. CERAMIC COATING SPRAYER  
F. SPRAY BOOTH  
G. LONG CERAMIC COATING NOZZLE FOR COATING INTERIOR  
H. DRY RACK

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### SCALE

TEXT  
10 POINT

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
STAINLESS LID  
& ADAPTER KITS

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2023.08.03

**REVISION HISTORY**  
2023.10.21

**DESCRIPTION**  
PROCUREMENT

# A2 . P

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**SHEET NUMBER:**  
A.1 ESTIMATE



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SHEET NUMBER :

**USECASES**

- 1. NO LIQUID USECASES
- 1A. CANNOT INSTALL ANYTHING WITHIN THE CONTAINER DUE TO NARROW NECK AND .5" NPT SIZE.
- 2. POTENTIAL FOR AIR RELATED USE CASES AT HIGHER PRESSURE

**COMPANY**  
300X3.COM

**SCALE**  
  
TEXT  
10 POINT

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
STAINLESS LID  
& ADAPTER KITS

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2023.08.03

**REVISION HISTORY**  
2023.10.21

**DESCRIPTION**  
USECASES

A2 . U1



ESTIMATE

COMPANY  
300X3.COM

SCALE

TEXT  
10 POINT

CUSTOMER  
PUBLIC SALE

GROUP  
STAINLESS LID  
& ADAPTER KITS

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2023.08.03

REVISION HISTORY  
2023.10.21

DESCRIPTION  
ESTIMATE

A2 . E

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SHEET NUMBER:  
A.1 ESTIMATE



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ADOBE READER DOWNLOAD LINK:

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PROOF FOR PDF, USED IN: MOST PAPERWORK, BACKWARDS COMPATIBLE FOR PAPER PRINTS, VIEWABLE WITHIN INTERNET BROWSERS, SMALL AND COMPRESSIBLE FILE SIZE, SUPPORTS HIGH RESOLUTION GRAPHICS, ALLOWS FOR TEXT AND IMAGE EDITING, HAS AN OPTION FOR PASSWORD PROTECTION, SOME APPLICATIONS EVEN INTEGRATE IT WITH MESSAGING SYSTEMS.

BETTER EXAMPLE: PDF IS COMMON WITHIN BUSINESSES THAT DO FABRICATION ALONGSIDE 3D MODELS AND THE MACHINE CODE RELATED TO THEM. OTHERWISE, PRINT IT AND GO WITHOUT THE COMPUTER, ALTHOUGH THAT REQUIRES MUCH MORE WORK IN THE FIELD AS WELL AS IN THE CREATION OF THE SHOP DRAWINGS /DIMENSIONING, ETC. (NOT INCLUDED HERE.)

UNFORTUNATELY - 3D IS STILL A BUSINESS AND STANDARD BATTLEFIELD, SO 3D PDF IS INCLUDED ON THE FOLLOWING PAGE INSTEAD OF ON THIS ONE AND CAN ONLY BE VIEWED IN SPECIFIC SOFTWARE. I USE BLUEBEAM FOR MY PDFS (AN OLDER VERSION TO ELIMINATE SUBSCRIPTION FEES.) 3D PDF IS ALSO VIEWABLE WITHIN ADOBE READER. WHILE INTERNET BROWSERS IN 2023 SUPPORT 2D PDF, THEY DO NOT CURRENTLY SUPPORT 3D PDF.

IN PART, THIS IS BECAUSE PDF CAN REPLACE HTML IN MANY WAYS - THE WEBSITE 300X3.COM IS BUILT ENTIRELY WITHIN PDF WITHOUT OTHER HTML BEYOND LINKS. DOES HTML SUPPORT FURTHER REACHING USE CASES WITH SIGNIFICANTLY MORE COMPLEXITY? - ABSOLUTELY, AND THAT COMPLEXITY TYPICALLY MAKES US MISERABLE AS INDIVIDUALS / SOCIETY. BECAUSE OF ITS COMPLEXITY. PDF AND OTHER ISO STANDARDS ARE AN EASY WAY OUT OF THE RAT RACE AND INTO A PRODUCTIVE BUSINESS / DAY THAT YOU CAN STILL PRINT TO PAPER, IMAGINE THAT (YOU DON'T HAVE TO, YOU'RE LOOKING AT IT.)

**COMPANY**  
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**SCALE**

TEXT  
10 POINT

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
STAINLESS LID  
& ADAPTER KITS

**DRAWN BY**  
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**ORIGINAL ISSUANCE**  
2023.08.03

**REVISION HISTORY**  
2023.10.21

**DESCRIPTION**  
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**A2 . 3D**



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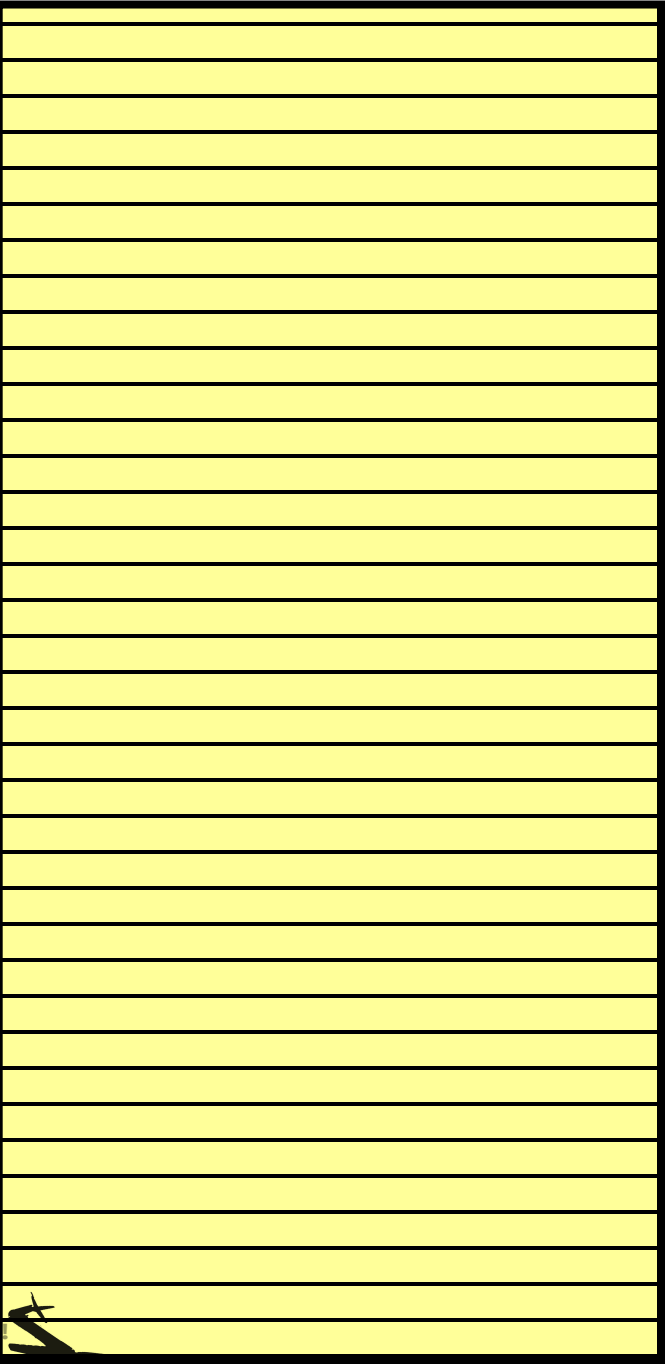
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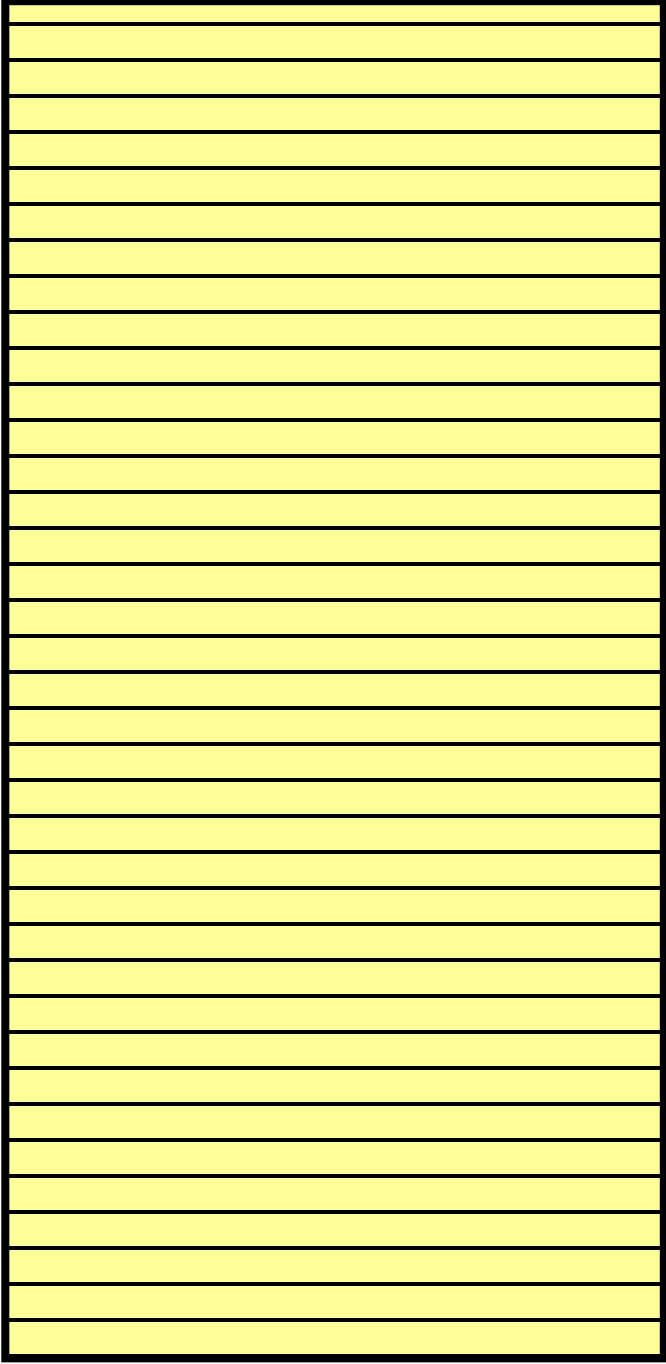




B.1

PERFORATED PANEL KIT  
2"X2" GRID OF  
.5" HOLES ON LATTICE  
OF CYLINDERS AND  
RIBBED SHEETMETAL

(STRUCTURAL BATTERY  
/ FUEL TANK)





**COMPANY**  
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**SCALE**  
ORTHOGRAPHIC  
3IN:1FT  
ON 11"WX8.5"H

**CUSTOMER**  
PUBLIC SALE

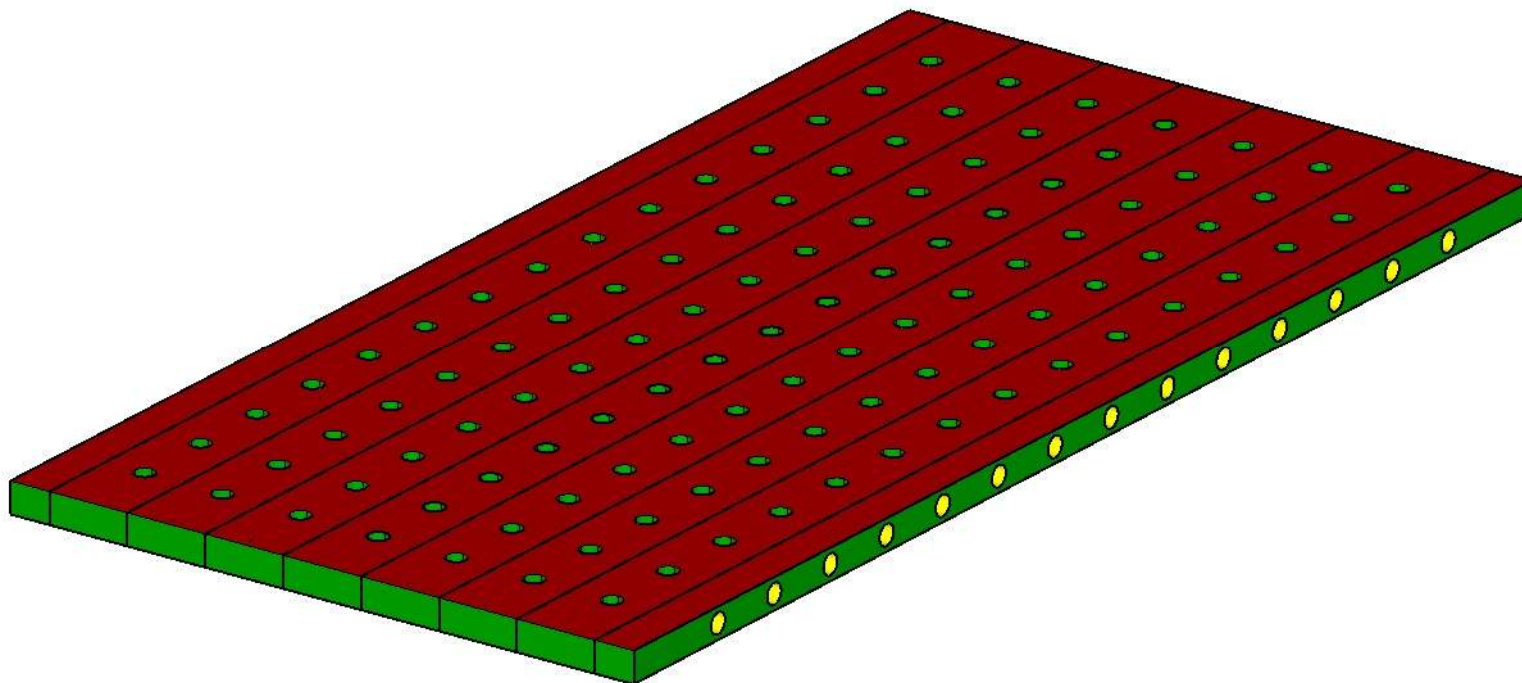
**GROUP**  
PERFORATED PANEL KIT  
STRUCTURAL BATTERY

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.12.19

**REVISION HISTORY**  
YYYY.MM.DD

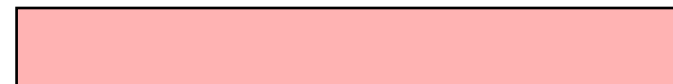
**DESCRIPTION**  
PERFORATED PANEL  
STRUCTURAL BATTERY  
3D VIEW



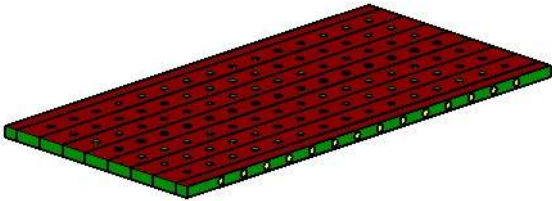
**B1 . MAIN**

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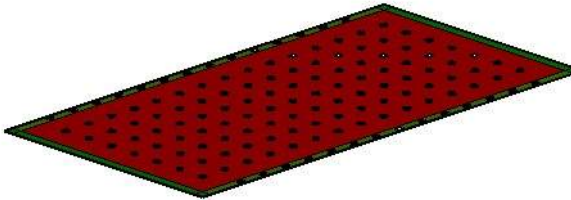
**SHEET NUMBER:**  
**PART:**



@#.A - 3D



@#.B - TOP LID & SIDES



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**SCALE**  
ORTHOGRAPHIC  
1IN:1FT  
ON 11"WX8.5"H

**CUSTOMER**  
PUBLIC SALE

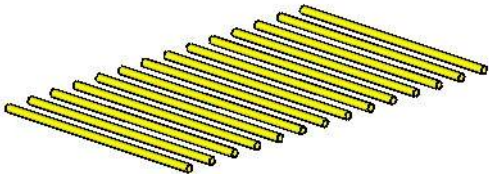
**GROUP**  
PERFORATED PANEL KIT  
STRUCTURAL BATTERY

**DRAWN BY**  
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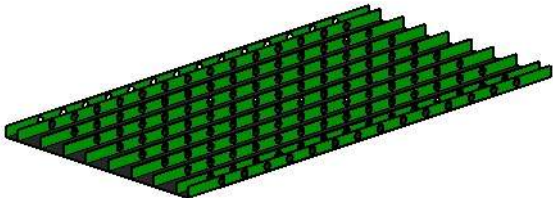
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2023.12.19

**REVISION HISTORY**  
YYYY.MM.DD

@#.C - FUEL CYLINDERS



@#.D - FINNED BOTTOM



**DESCRIPTION**  
3D  
COMPOSITE #1

**B1.V**



**COMPANY**  
300X3.COM

**SCALE**  
ORTHOGRAPHIC  
2IN:1FT  
ON 11"WX8.5"H

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
PERFORATED PANEL KIT  
STRUCTURAL BATTERY

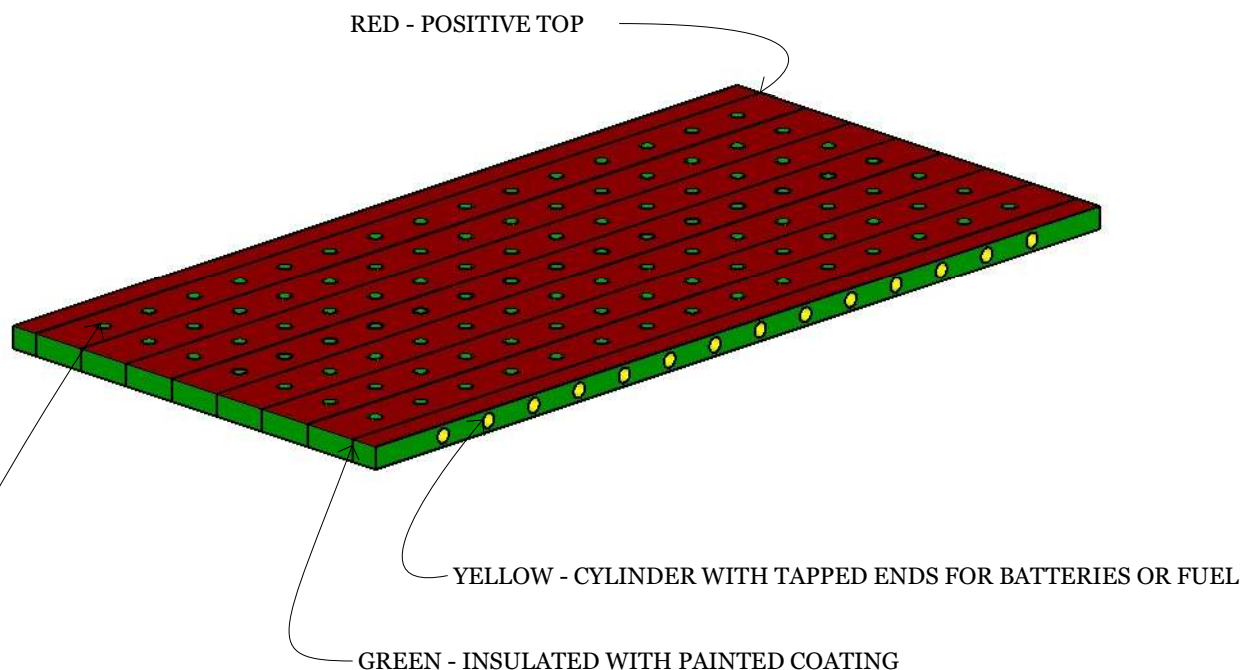
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YYYY.MM.DD

**DESCRIPTION**  
3D -  
ALL COMBINED

**B1.V.1**



GREEN HOLES .5IN DIAMETER ON 2INX2IN GRID  
INNER VERTICAL ATTACHMENT POINTS FOR BOLTING  
(WHEELS, SPLICE JOINTS, AND OTHER ACCESSORIES)

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**SHEET NUMBER:**  
**PART:**

**COMPANY**  
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**SCALE**  
ORTHOGRAPHIC  
2IN:1FT  
ON 11"WX8.5"H

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
PERFORATED PANEL KIT  
STRUCTURAL BATTERY

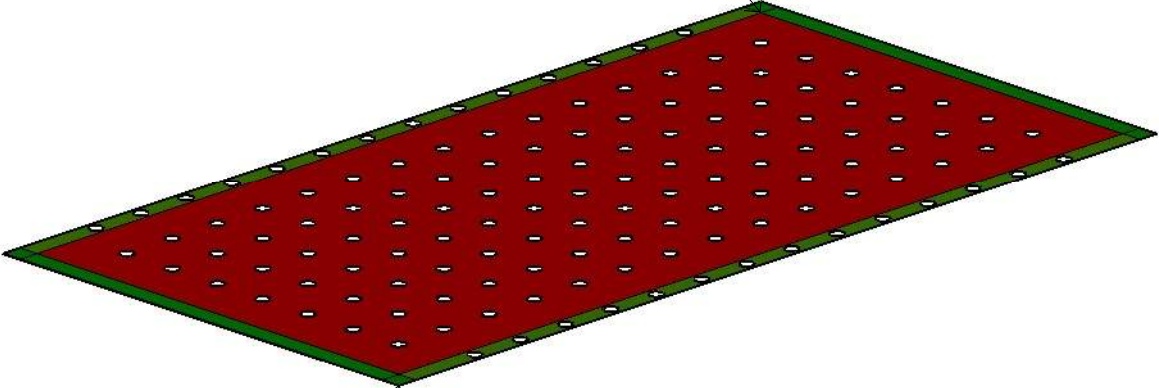
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**ORIGINAL ISSUANCE**  
2023.12.19

**REVISION HISTORY**  
YYYY.MM.DD

**DESCRIPTION**  
TOP AND SIDE PAN

V GROOVE  
AT TRANSITION FROM GREEN TO RED FOR A CLEAN  
90 DEGREE FOLD WITH THICKER MATERIAL



GREEN FOLDING EDGE  
PAINTED TO PREVENT CONDUCTIVITY  
CORNERS OVERLAP TO SEAL

**B1.V.2**



**COMPANY**  
300X3.COM

**SCALE**  
ORTHOGRAPHIC  
2IN:1FT  
ON 11"WX8.5"H

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
PERFORATED PANEL KIT  
STRUCTURAL BATTERY

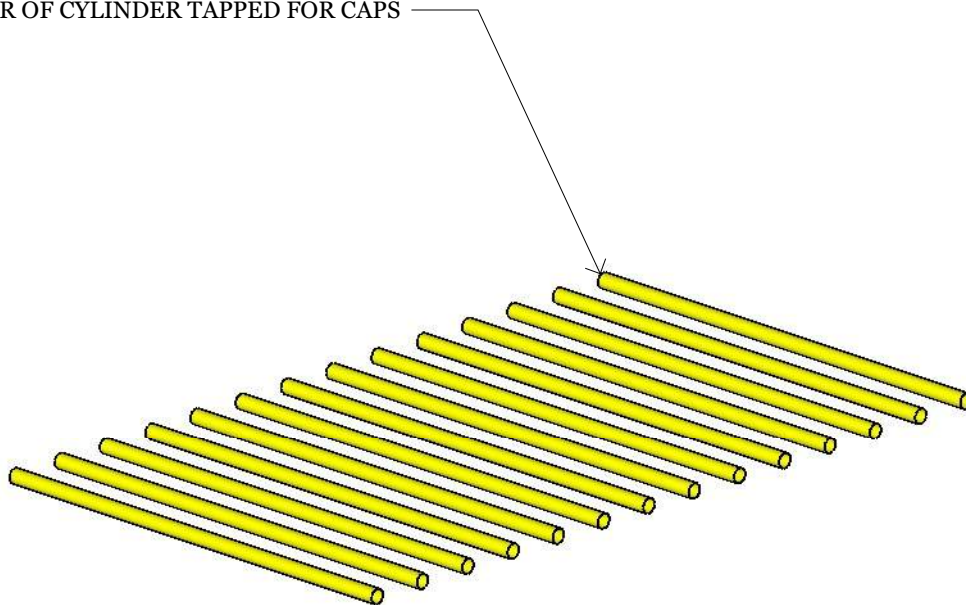
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SWW

**ORIGINAL ISSUANCE**  
2023.12.19

**REVISION HISTORY**  
YYYY.MM.DD

**DESCRIPTION**  
FUEL CYLINDERS

.75 INCH DIAMETER CYLINDER  
INTERIOR OF CYLINDER TAPPED FOR CAPS



**B1.V.3**

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**SHEET NUMBER:**  
**PART:**



**COMPANY**  
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**SCALE**  
ORTHOGRAPHIC  
2IN:1FT  
ON 11"WX8.5"H

**CUSTOMER**  
PUBLIC SALE

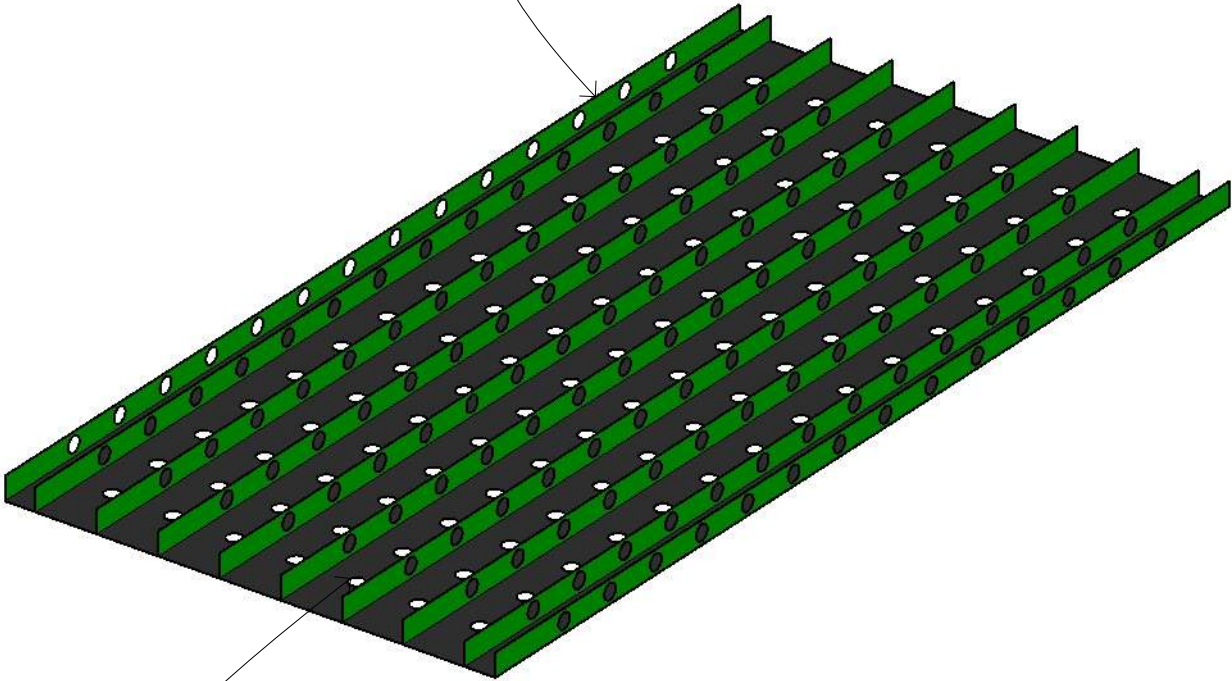
**GROUP**  
PERFORATED PANEL KIT  
STRUCTURAL BATTERY

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.12.19

**REVISION HISTORY**  
YYYY.MM.DD

PAINTED PERFORATED FINS SHOWN IN GREEN  
PAINTED TO PREVENT CONDUCTIVITY  
(STRUCTURAL SUPPORT + TUBE ALIGNMENT)



PERFORATED AT BOTTOM OF PANEL FOR ATTACHMENTS  
THROUGH DECK  
UNDERSIDE IS INTENDED TO BE NEGATIVELY CHARGED,  
OTHERWISE CHARGE CAN BE RUN THROUGH EITHER END OF EACH  
FUEL CYLINDER (YELLOW CYLINDERS ON OTHER PAGES)

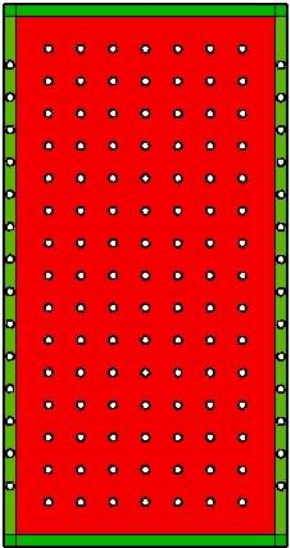
**DESCRIPTION**  
BOTTOM PANEL RIBBED

**B1.V.4**





@#.L.A - LAYOUT  
(TOP AND SIDE PAN)



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SCALE  
ORTHOGRAPHIC  
1IN:1FT  
ON 11"WX8.5"H

CUSTOMER  
PUBLIC SALE

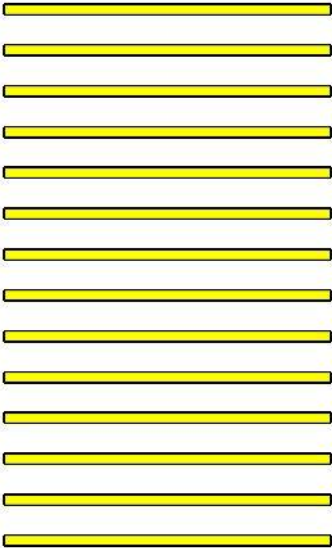
GROUP  
PERFORATED PANEL KIT  
STRUCTURAL BATTERY

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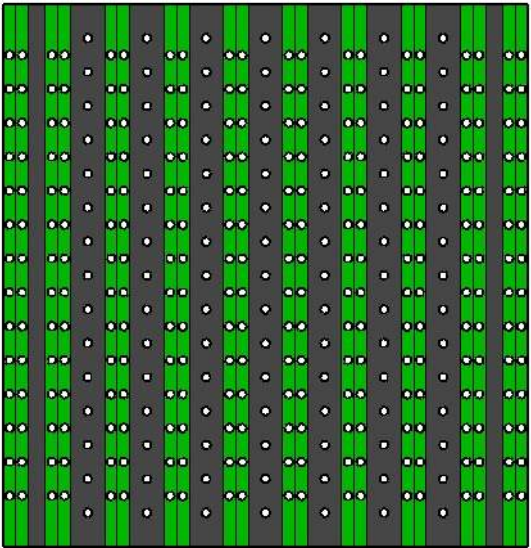
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REVISION HISTORY  
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@#.L.B - LAYOUT  
(FUEL CYLINDERS)



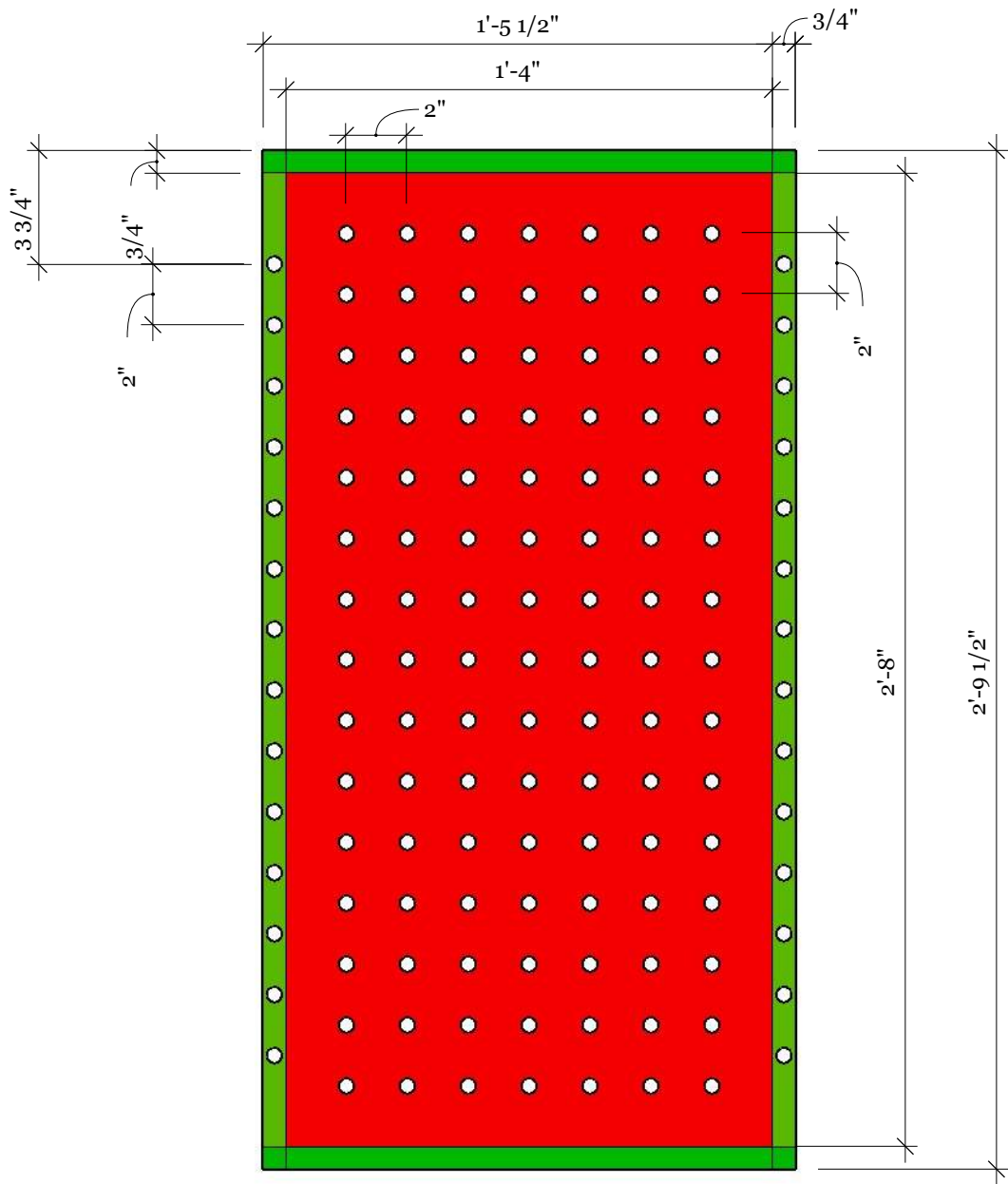
@#.L.C - LAYOUT  
(FINNED BOTTOM)



DESCRIPTION  
LAYOUT -  
COMPOSITE #1

B1.L





**COMPANY**  
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**SCALE**  
OUT OF SCALE  
ANNOTATIONS  
GOVERN

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
PERFORATED PANEL KIT  
STRUCTURAL BATTERY

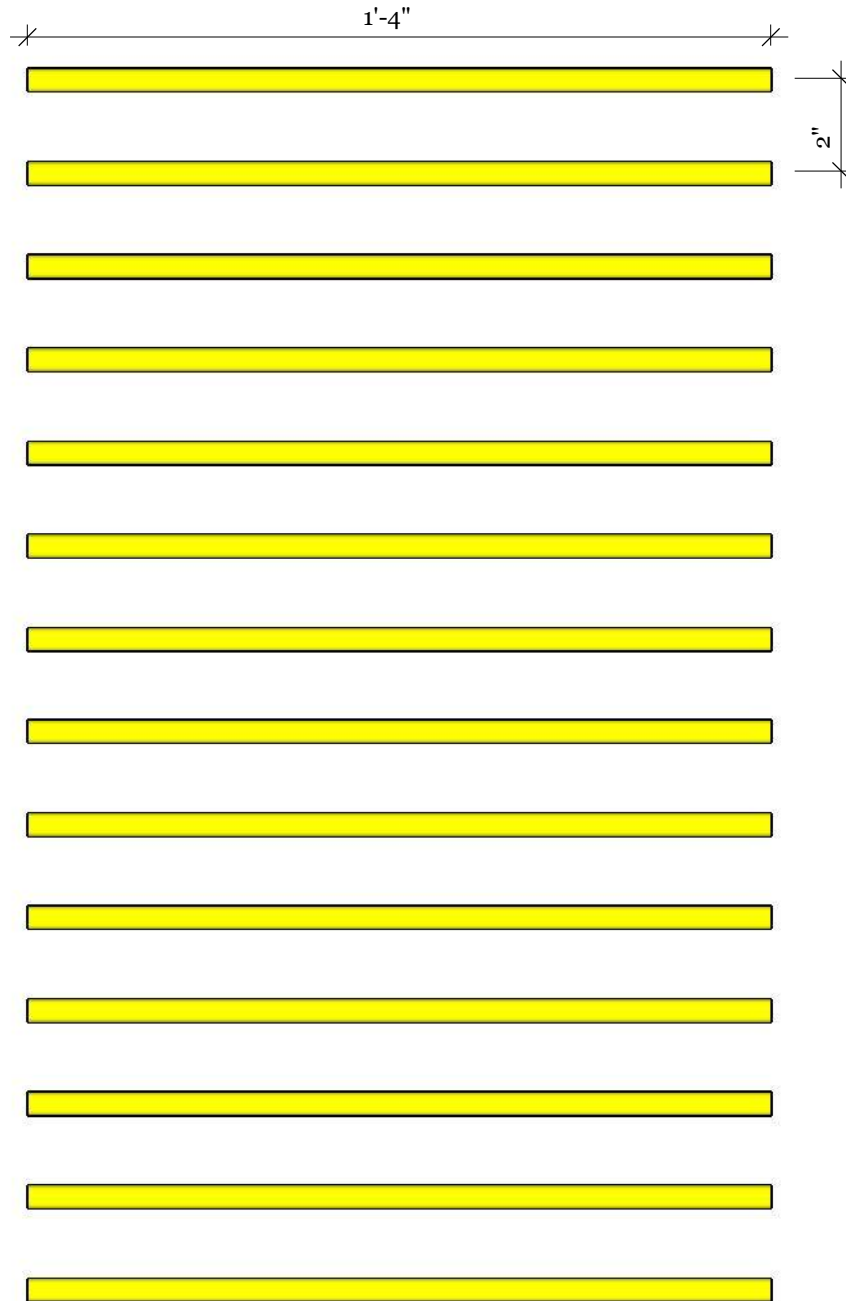
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**REVISION HISTORY**  
YYYY.MM.DD

**DESCRIPTION**  
LAYOUT -  
TOP AND SIDE PAN

**B1.L.1**



**COMPANY**  
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**SCALE**  
OUT OF SCALE  
ANNOTATIONS  
GOVERN

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
PERFORATED PANEL KIT  
STRUCTURAL BATTERY

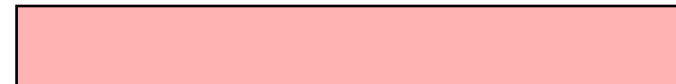
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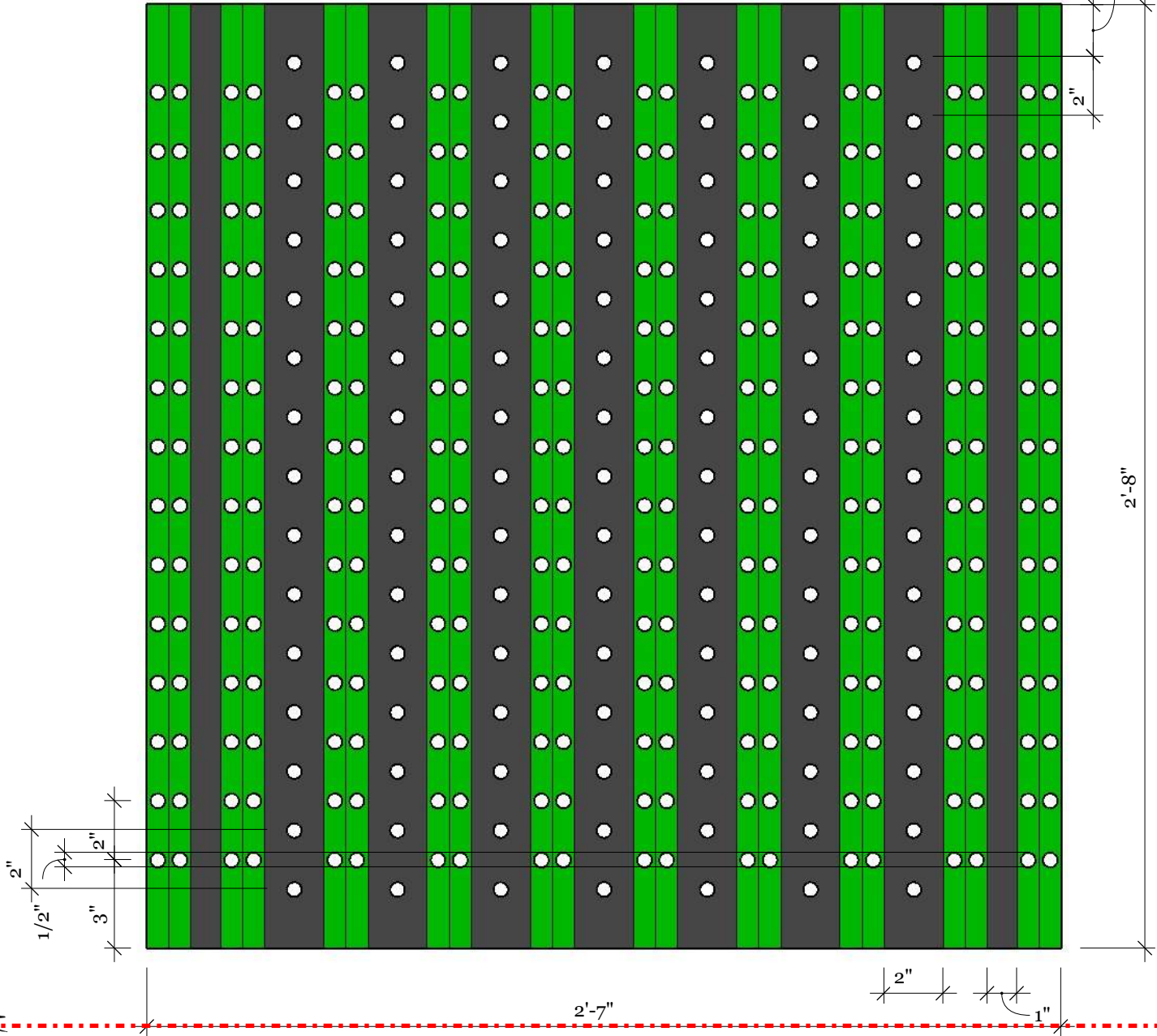
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2023.12.19

**REVISION HISTORY**  
YYYY.MM.DD

**DESCRIPTION**  
LAYOUT -  
FUEL CYLINDERS

**B1.L.2**





**COMPANY**  
300X3.COM

**SCALE**  
OUT OF SCALE,  
ANNOTATIONS  
GOVERN

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
PERFORATED PANEL KIT  
STRUCTURAL BATTERY

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2023.12.19

**REVISION HISTORY**  
YYYY.MM.DD

**DESCRIPTION**  
LAYOUT -  
RIDGED BOTTOM

**B1.L.3**

"PERFORATED PANEL KIT STRUCTURAL BATTERY" -

SUMMARY:

16"X32" PERFORATED PANEL FROM SHEETMETAL TOP/BOTTOM/SIDES, TAPPED METAL CYLINDERS, AND INFILL (COMPOSITE/PLASTIC, CONCRETE, MINERAL WOOL, JEANS, OR OTHER INSULATING MATERIAL.

USECASES (BUILDING TYPES):

1. BUILDING MATERIAL: FLOOR/CEILING/WALL/GATE&FENCE
2. VEHICULAR DECK: GOKART, SKATEBOARD, BOAT, DOLLY, RECUMBENT, WHEELCHAIR
3. FURNITURE: SHELVES, DESK, COT, STRETCHER
4. BACKPACK FRAME

ALL: POWER STORAGE AND DISTRIBUTION WITHIN PANEL/WAFER WITH OPTION FOR ADDITIONAL BATTERIES.

FABRICATION:

- A. MARK SHEETMETAL FOR FOLDING AND SCORE
- B. PERFORATE SHEETMETAL
- C. FOLD SHEETMETAL
- D. TAP CYLINDERS
- E. INSERT CYLINDERS
- F. WELD CORNERS AND CYLINDERS IN PLACE
- G. PLACE TOP WITH SIDES ONTO BOTTOM WITH FINS
- H. WELD EDGE
- I. ADD CYLINDER CAPS
- J. FILL WITH FUEL OR BATTERIES
- K. SCREW IN CAPS, ATTACH LEADS TO EITHER THE PANEL ITSELF, WIRE IN SERIES/PARALLEL, OR AS WANTED  
(PREFERENCE - ELIMINATE WIRES BY CONNECTING TO THE PANEL ITSELF)

LINK TO 3D MODEL, PCLOUD FILESHARE:

<https://u.pcloud.link/publink/show?code=XZ42i70ZPOBe0CwOXTF3gfgjuy6cQRm98vek>

COMPANY  
300X3.COM

SCALE  
TEXT  
ON 11"WX8.5"H

CUSTOMER  
PUBLIC SALE

GROUP  
PERFORATED PANEL KIT  
STRUCTURAL BATTERY

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REVISION HISTORY  
YYYY.MM.DD

DESCRIPTION  
ASSEMBLY NOTES

B1.N

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SHEET NUMBER:  
PART:

**ESTIMATE**

**MATERIALS:**

SHEETMETAL

- PANEL A (TOP AND EDGE.) QTY 1
- PANEL B (BOTTOM AND FINS.) QTY 1

METAL CYLINDERS

- 16" LONG, .5" DIAMETER. QTY 14

END CAPS

- .5" DIAMETER. QTY 28

LABOR

- SHEETMETAL PUNCHING. QTY 238 .5IN HOLES
- SHEETMETAL SCORING. QTY 896"
- SHEETMETAL CUTTING. QTY 432" (TOPS) + 467" (BOTTOMS W/FINS)
- SHEETMETAL BENDING. QTY 9600"+104"= 9704"

- PIPE CUTTING. QTY ~14 LENGTHS: .5" PIPE AT 16" LENGTH
- PIPE TAPPING. QTY 28 WITH .5" NPS THREADS, NOT TAPERED

**ACTUAL PIPE SIZE TO BE DETERMINED (MUST FIT AA'S AT A MINIMUM)**

- PIPE WELDING (ATTACHMENTS TO FINS AROUND CIRCUMFERENCE @ FINS.) QTY 220"
- SHEETMETAL WELDING (CORNERS.) QTY 3"
- SHEETMETAL WELDING (TOP TO BOTTOM.) QTY 98"

**COMPANY**  
300X3.COM

**SCALE**  
TEXT  
ON 11"WX8.5"H

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
PERFORATED PANEL KIT  
STRUCTURAL BATTERY

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**REVISION HISTORY**  
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**DESCRIPTION**  
ESTIMATE

**B1 . E**

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PROOF FOR PDF, USED IN: MOST PAPERWORK, BACKWARDS COMPATIBLE FOR PAPER PRINTS, VIEWABLE WITHIN INTERNET BROWSERS, SMALL AND COMPRESSIBLE FILE SIZE, SUPPORTS HIGH RESOLUTION GRAPHICS, ALLOWS FOR TEXT AND IMAGE EDITING, HAS AN OPTION FOR PASSWORD PROTECTION, SOME APPLICATIONS EVEN INTEGRATE IT WITH MESSAGING SYSTEMS. PDF IS COMMON WITHIN BUSINESSES THAT DO FABRICATION ALONGSIDE 3D MODELS AND THE MACHINE CODE RELATED TO THEM AND IS ALSO A METHOD FOR DEVELOPING CONSENSUS AROUND CUSTOM WORK. OTHERWISE, PRINT IT.

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COMPANY

300X3.COM

SCALE

TEXT

ON 11"WX8.5"H

CUSTOMER

PUBLIC SALE

GROUP

PERFORATED PANEL KIT  
STRUCTURAL BATTERY

DRAWN BY

SWW

ORIGINAL ISSUANCE

2023.12.19

REVISION HISTORY

YYYY.MM.DD

DESCRIPTION

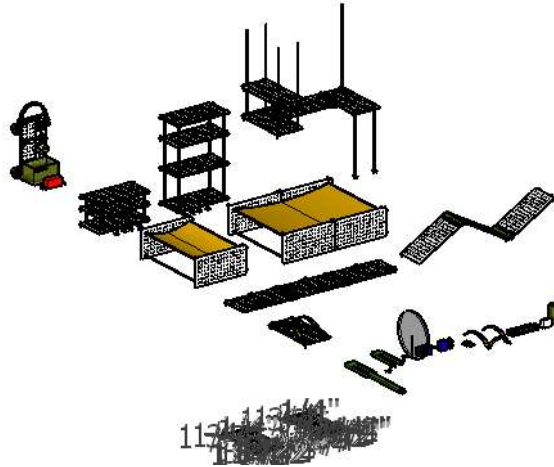
B1.3D

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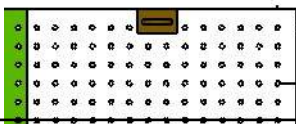
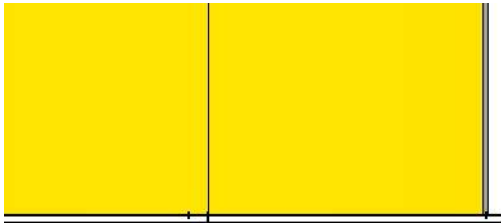
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PART:



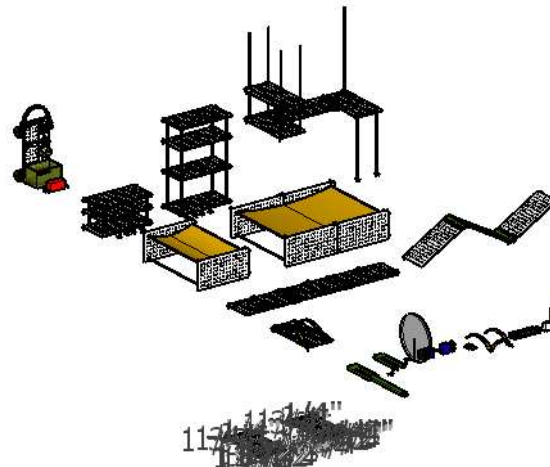
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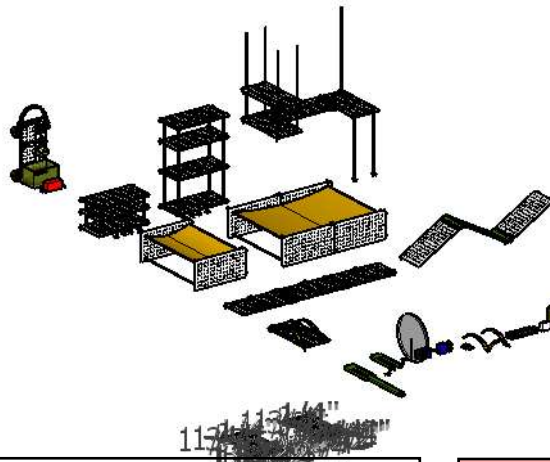
@#.C - - VIEW TYPE



@#.B - - VIEW TYPE



@#.D - - VIEW TYPE



COMPANY  
300X3.COM

ASSOCIATE  
NONE

CUSTOMER  
PUBLIC SALE

GROUP  
PROJECT NAME

DRAWN BY  
SWW

ORIGINAL ISSUANCE  
YYYY.MM.DD

REVISION HISTORY  
YYYY.MM.DD

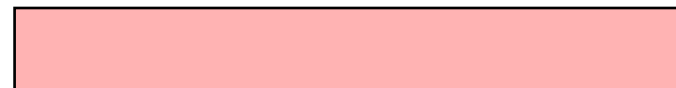
DESCRIPTION  
COMPOSITE #1

@#



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SHEET NUMBER:  
PART:



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SHEET NUMBER:

" PROJECT NAME " -

SUMMARY:

-

USECASES (BUILDING TYPES):

1.

REMOVAL OF MATERIAL FROM STANDARD ROOF ASSEMBLIES:

A.

FABRICATION:

-

LINK TO 3D MODEL, SKETCHUP:

-

LINK TO 3D MODEL, PCLOUD FILESHARE:

-

COMPANY  
300X3.COM

ASSOCIATE  
NONE

CUSTOMER  
PUBLIC SALE

GROUP  
PROJECT NAME

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YYYY.MM.DD

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DESCRIPTION

ASSEMBLY NOTES

@.N



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**ASSOCIATE**  
NONE

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
PROJECT NAME

**DRAWN BY**  
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**ORIGINAL ISSUANCE**  
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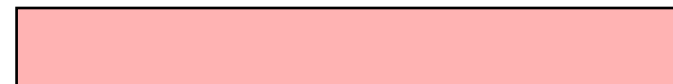
**REVISION HISTORY**  
YYYY.MM.DD

**DESCRIPTION**

@.E

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UNFORTUNATELY - 3D IS STILL A BUSINESS AND STANDARD BATTLEFIELD, SO 3D PDF IS INCLUDED ON THE FOLLOWING PAGE INSTEAD OF ON THIS ONE AND CAN ONLY BE VIEWED IN SPECIFIC SOFTWARE. I USE BLUEBEAM FOR MY PDFS (AN OLDER VERSION TO ELIMINATE SUBSCRIPTION FEES.) 3D PDF IS ALSO VIEWABLE WITHIN ADOBE READER. WHILE INTERNET BROWSERS IN 2023 SUPPORT 2D PDF, THEY DO NOT CURRENTLY SUPPORT 3D PDF.

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~~PRINT TO PAPER, IMAGINE THAT (YOU DON'T HAVE TO, YOU'RE HOLDING IT.)~~

**COMPANY**

300X3.COM

**ASSOCIATE**

NONE

**CUSTOMER**

PUBLIC SALE

**GROUP**

PROJECT NAME

**DRAWN BY**

SWW

**ORIGINAL ISSUANCE**

YYYY.MM.DD

**REVISION HISTORY**

YYYY.MM.DD

**DESCRIPTION**

@.3D

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SHEET NUMBER:  
PART:

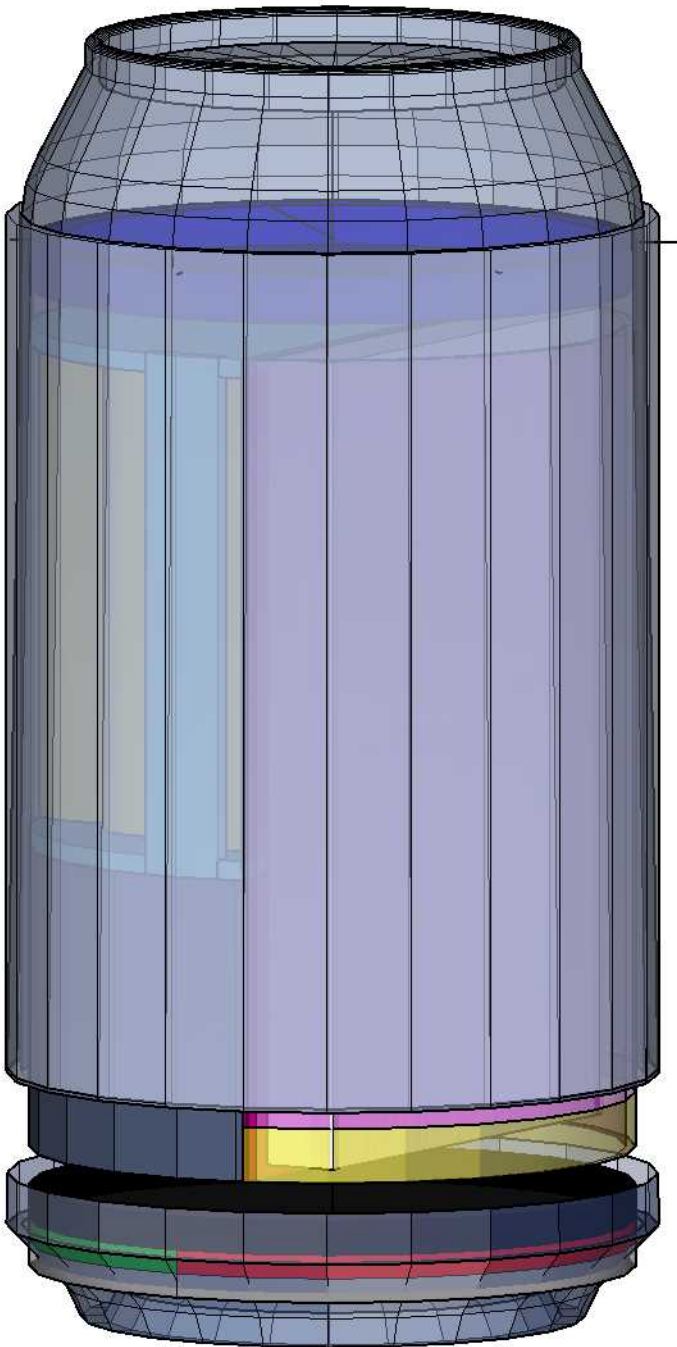




C.1  
CANRAD  
12 OZ CAN  
COMPUTER AND  
APPLIANCE

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SHEET NUMBER:  
PARTCOMPUTER CAN



**COMPANY**  
300X3.COM

**ASSOCIATE**  
NONE

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
12OZ PC, VTOL UAV  
USV, DC APPLIANCE

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.10.15

**REVISION HISTORY**  
2023.10.21

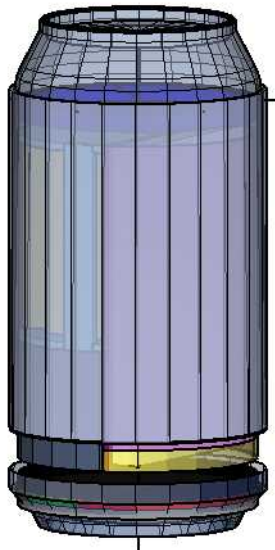
**DESCRIPTION**  
A.R.M. COMPUTER IN  
A 12 OZ CAN SLEEVE

**B1.MAIN**

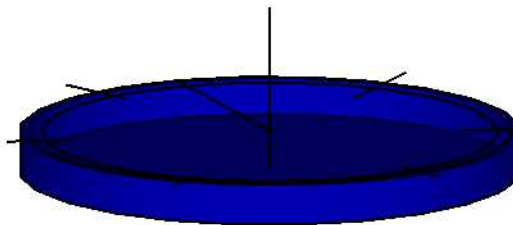
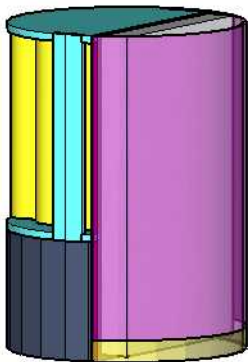
@#.A - ASSEMBLED WITH CAN  
SLEEVE FOR TRANSPORT

SHEET NUMBER:

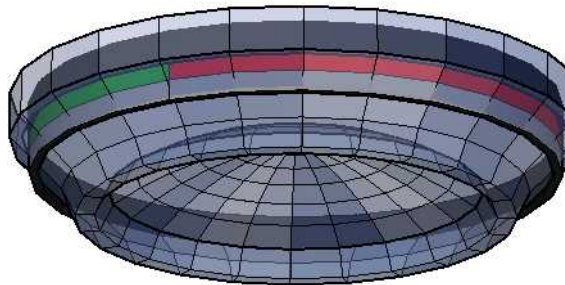
@#.B - LID A: RADIOS



@#.C - MOTHERBOARD, BATTERY,  
SPEAKER, CONTROLS, PLUGS



@#.D - LID B: LENS,  
LIGHTS & GASKET



COMPANY

300X3.COM

ASSOCIATE

NONE

CUSTOMER

PUBLIC SALE

GROUP

12OZ PC, VTOL UAV  
USV, DC APPLIANCE

DRAWN BY

SWW

ORIGINAL ISSUANCE

2023.10.15

REVISION HISTORY

2023.10.21

DESCRIPTION

COMPOSITE #1

B1.1M

[CLICK FOR LINK TO MAIN SITE: 300X3.COM](#)  
[CLICK FOR LINK TO TABLE OF CONTENTS](#)

SHEET NUMBER:

CAN MODEL HAS WRONG DIMENSIONS  
~~LONG WALL TAPERS DOWN FROM~~  
BOTTOM TO TOP. REPLACE CAN WITH  
SLEEVE, CAN IS SECONDARY COVER ONLY  
AS CAMOFLAUGE / PACKAGING.

RADIO LID  
AM/FM  
UHF/VHF  
WIFI  
LTE  
(CAMERA MOUNT  
CONNECTION)

AA TRAY  
(ADD SHEETMETAL  
CUTOUT)

BATTERY SECURING STRAPS

NINE AA'S  
(MOTHERBOARD  
NEEDS X VOLTS)

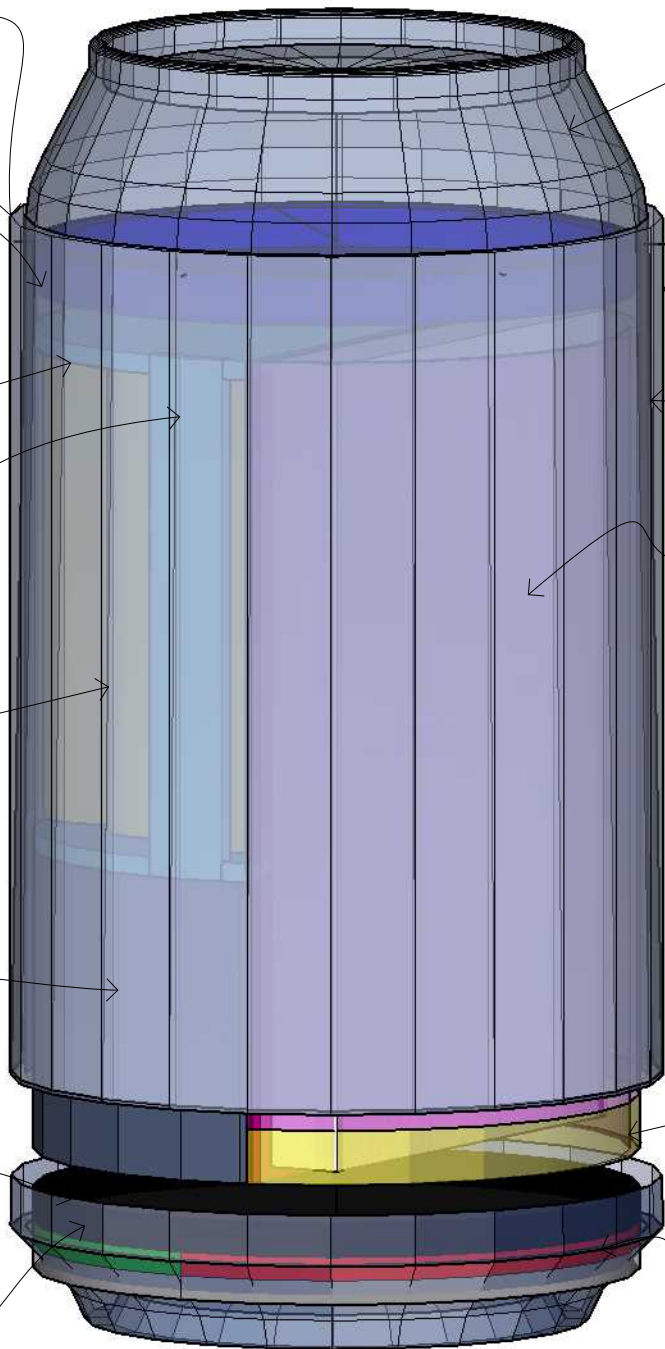
SPEAKER BOX  
(ADD SPEAKER  
HOLE AND FLAT  
ATTACHMENT)

GASKET ABOVE LIGHTS  
(NOTCHED O-RING)

LID B: LIGHTS - AREA, SIGNAL,  
~~AND DIRECTIONAL - BIKE & BOAT~~  
(CAMERA MOUNT CONNECTION)

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SHEET NUMBER:  
PART:



REPLACEMENT CAN TOP  
"STASH" : AIR POCKET,  
MEDICATION, LIQUID  
(CAMERA MOUNT  
CONNECTION)

TWIST TO LOCK  
INNER CYLINDER IN  
CLOSED OR OPEN POSITION

INNER SLEEVE

96 BOARDS CREDIT CARD  
COMPUTER, TRAY AND  
CONTROLS  
(ADD MOUNTING POINTS)

PLUGS, USB-C, POWER.  
BUILD PURPLE CASE TIGHT  
TO EXISTING PLUGS  
(COVER AT PLUGS)

REPLACEMENT CAN  
BOTTOM CLEAR LENS

**COMPANY**  
300X3.COM

**ASSOCIATE**  
NONE

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
120Z PC, VTOL UAV  
USV, DC APPLIANCE

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.10.15

**REVISION HISTORY**  
2023.10.21

**DESCRIPTION**  
ASSEMBLED WITH CAN  
SLEEVE FOR TRANSPORT

**B1.1A**

**COMPANY**  
300X3.COM

**ASSOCIATE**  
NONE

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
120Z PC, VTOL UAV  
USV, DC APPLIANCE

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.10.15

**REVISION HISTORY**  
2023.10.21

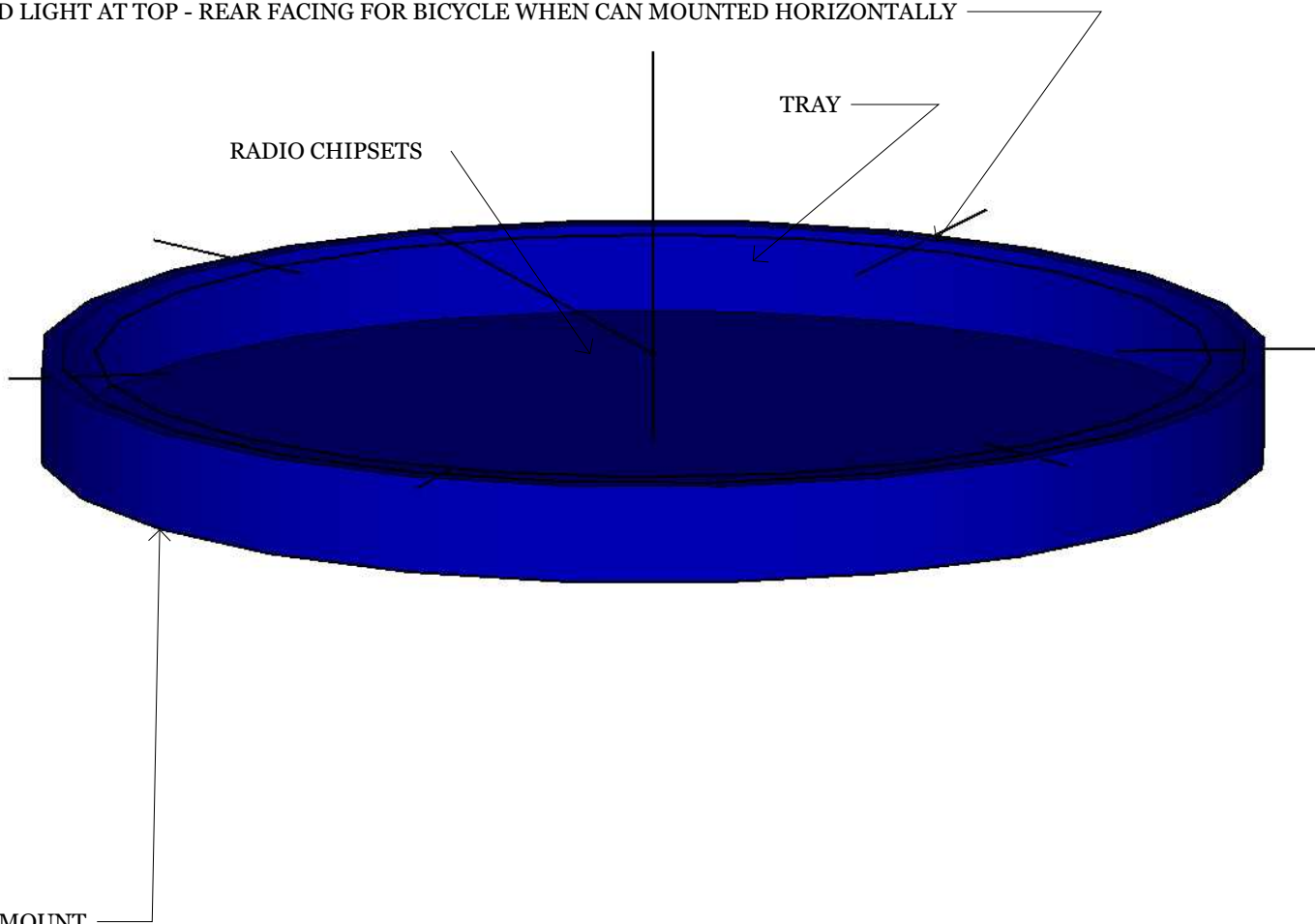
**DESCRIPTION**  
LID A: RADIOS

RED LIGHT AT TOP - REAR FACING FOR BICYCLE WHEN CAN MOUNTED HORIZONTALLY

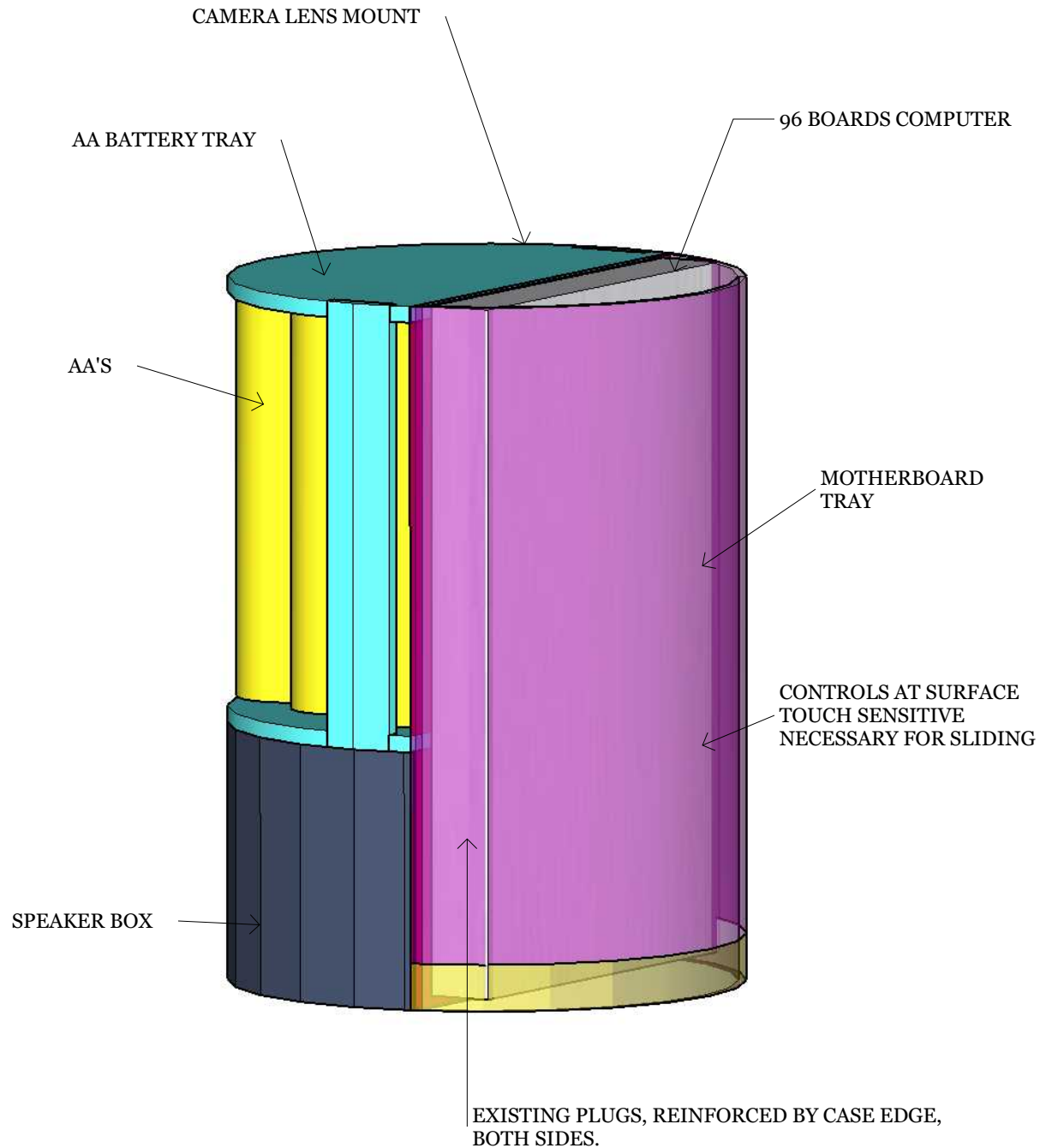
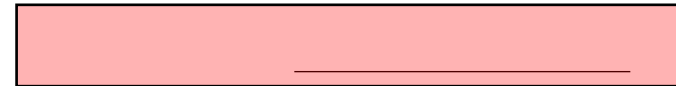
TRAY

RADIO CHIPSETS

CAMERA LENS MOUNT



**B1.1B**



**COMPANY**  
300X3.COM

**ASSOCIATE**  
NONE

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
12OZ PC, VTOL UAV  
USV, DC APPLIANCE

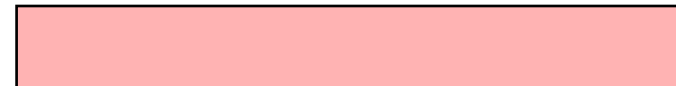
**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.10.15

**REVISION HISTORY**  
2023.10.21

**DESCRIPTION**  
MOTHERBOARD,  
BATTERY, SPEAKER,  
CONTROLS, PLUGS

**B1.1C**



**COMPANY**  
300X3.COM

**ASSOCIATE**  
NONE

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
120Z PC, VTOL UAV  
USV, DC APPLIANCE

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.10.15

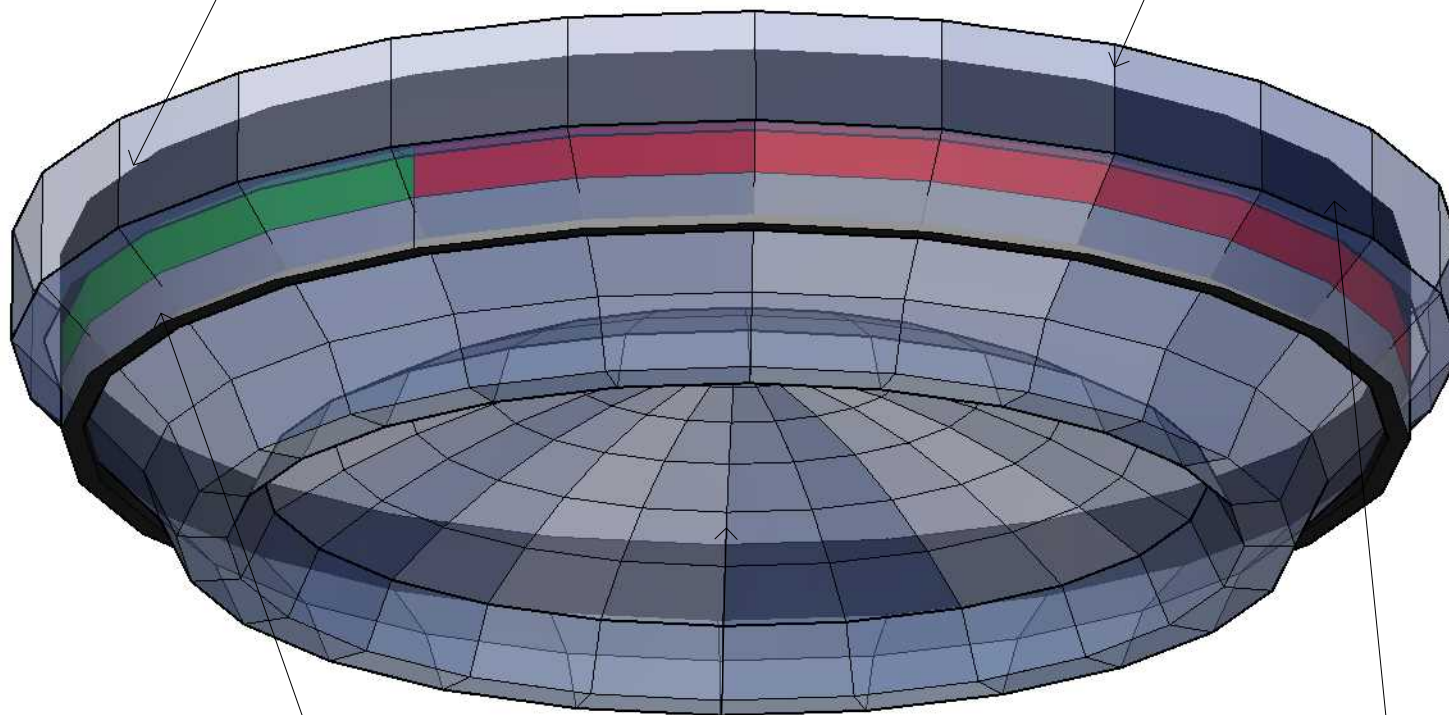
**REVISION HISTORY**  
2023.10.21

**DESCRIPTION**  
LID B: LENS,  
LIGHTS & GASKET

GREEN PORT LIGHT  
ADD RED LIGHT BELOW FOR  
TURN SIGNALS

O RING AT LIP OF LIGHT TRAY

RED STARBOARD LIGHT

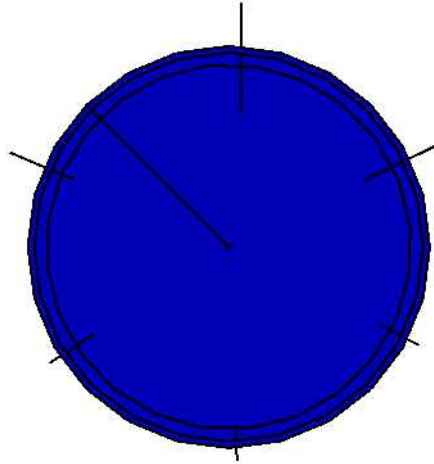


WHITE LIGHT ACROSS DISC

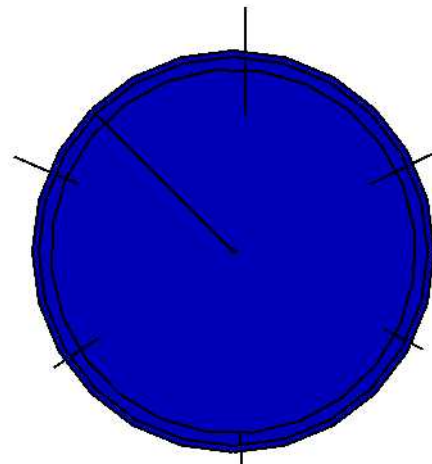
WHITE LIGHT SURROUND

CLEAR LENS

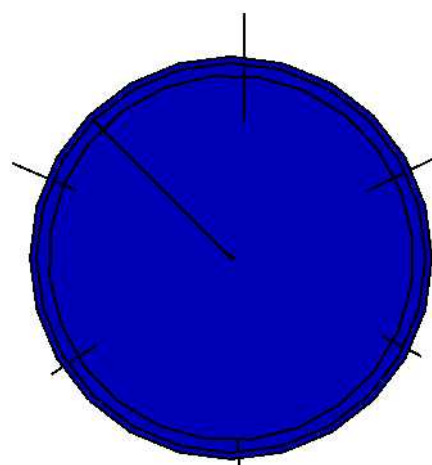
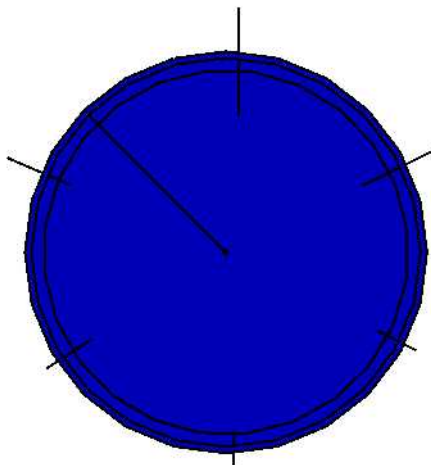
**B1.1D**



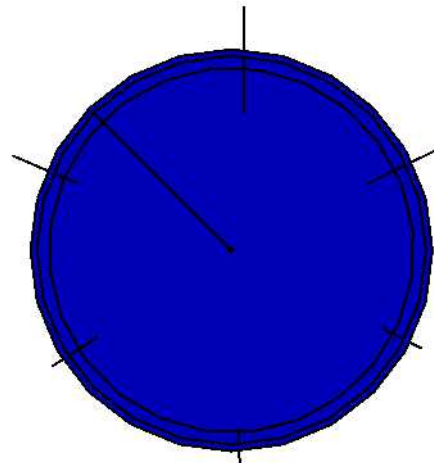
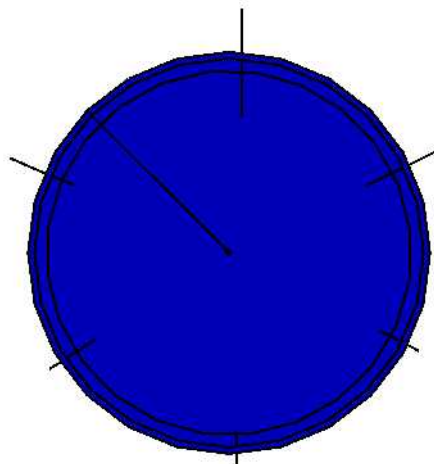
B1.P.3 ROLLED SOLAR PANEL  
ON WINDER



B1.P.4 PEDAL CRANK

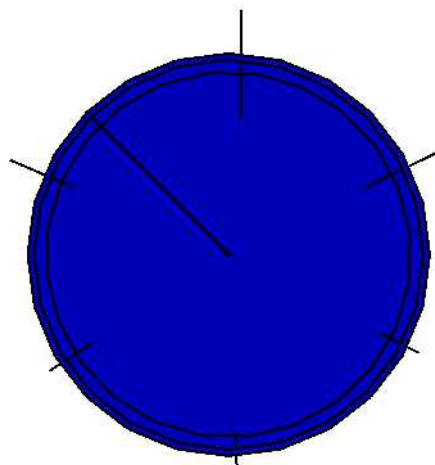
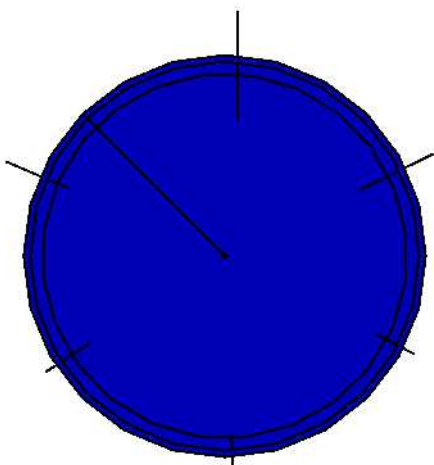


B1.2M



B1.P.7 POWER MANAGEMENT  
MODULATOR- LOW & HIGH VOLTAGE  
S

B1.P.8 ELECTRONIC SPEED  
CONTROLS & SERVOS



B1.3M

COMPANY  
300X3.COM

ASSOCIATE  
NONE

CUSTOMER  
PUBLIC SALE

GROUP  
12OZ PC, VTOL UAV  
USV, DC APPLIANCE

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ORIGINAL ISSUANCE  
2023.10.15

REVISION HISTORY  
2023.10.21

DESCRIPTION  
COMPOSITE #3  
PUCKS

B1.P.11 DUCTED FAN HOUSINGS,  
MOTORS, PROPS

B1.P.12 CONTRA PROPS

B1.4M

~~B1.P.13 WHEELS, CAN TANK~~

~~B1.P.14 - MACERATOR AND  
PUMP, EMERGENCY DIRTY WATER  
PUMP~~

~~COMPANY~~  
~~300X3.COM~~

~~ASSOCIATE~~  
~~NONE~~

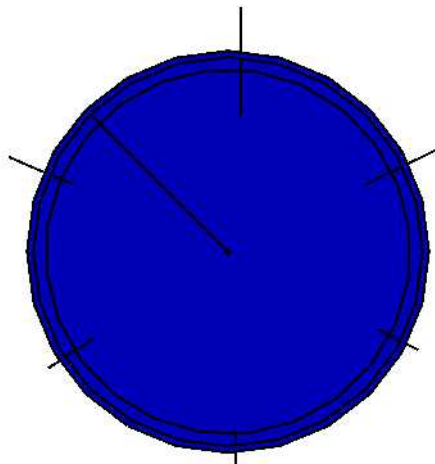
~~CUSTOMER~~  
~~PUBLIC SALE~~

~~GROUP~~  
~~12OZ PC, VTOL UAV~~  
~~USV, DC APPLIANCE~~

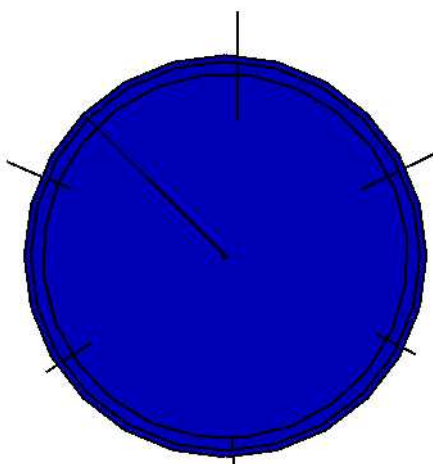
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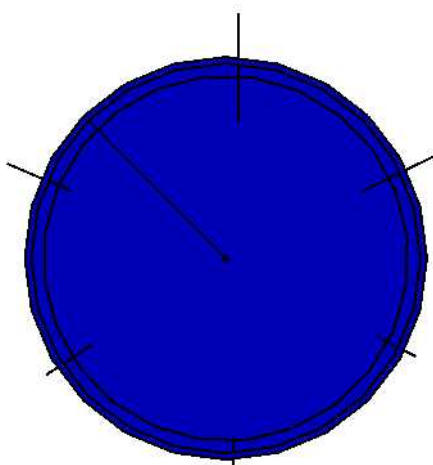
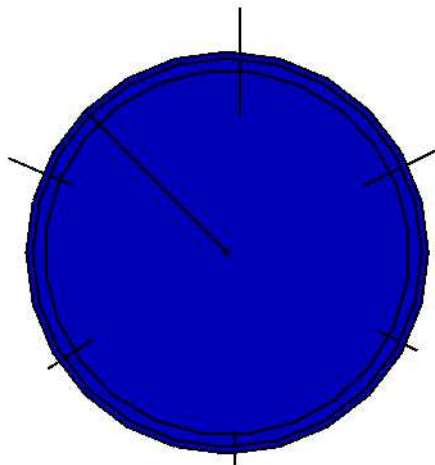
~~REVISION HISTORY~~  
~~2023.10.21~~



B1.P.15 AIR PUMP AND VACUUM



B1.P.16 PELTIER COOLING &  
HEATING



~~DESCRIPTION~~  
~~COMPOSITE #3~~  
~~PUCKS~~

**B1.4M**

COMPANY

300X3.COM

ASSOCIATE

NONE

CUSTOMER

PUBLIC SALE

GROUP

12OZ PC, VTOL UAV  
USV, DC APPLIANCE

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SWW

ORIGINAL ISSUANCE

2023.10.15

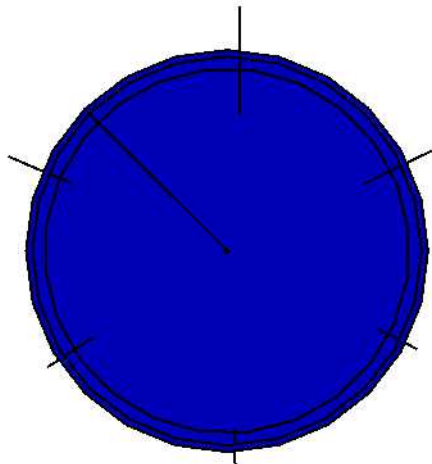
REVISION HISTORY

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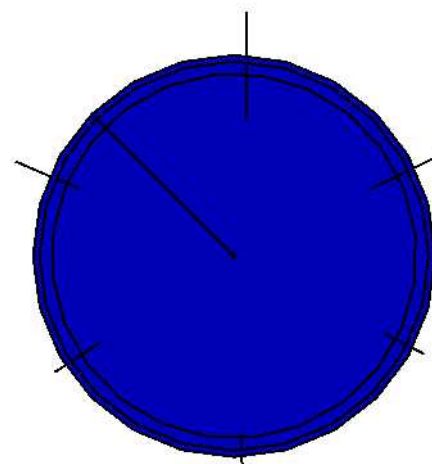
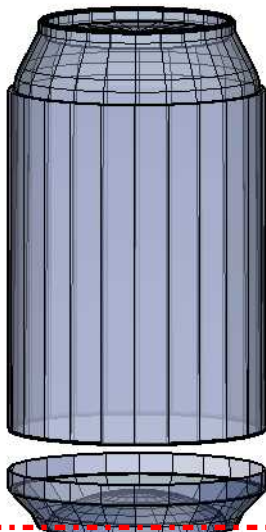
DESCRIPTION

COMPOSITE #3  
PUCKS

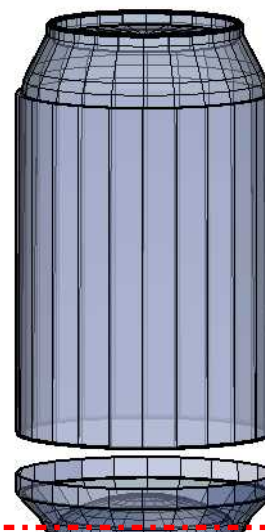
B1.6M

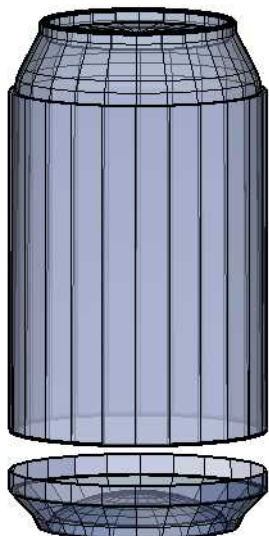


B1.P.19 CAN ALONE

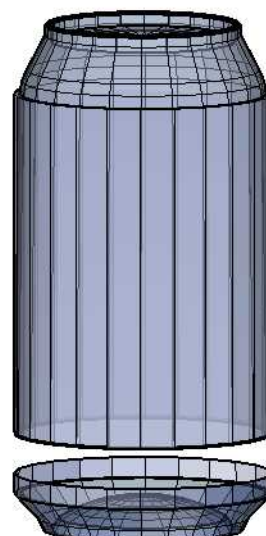


B1.P.20 ADDITIONAL USB  
PLUGINS

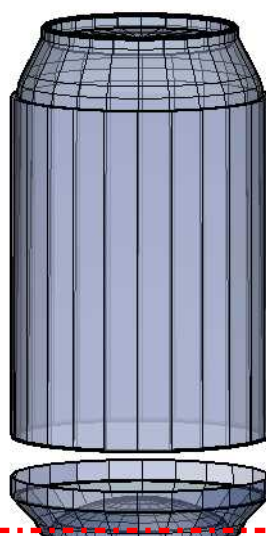
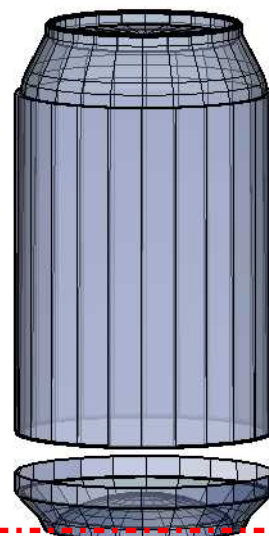




B1.P.7 CAN ALONE C



B1.P.8 CAN ALONE D



COMPANY

300X3.COM

ASSOCIATE

NONE

CUSTOMER

PUBLIC SALE

GROUP

12OZ PC, VTOL UAV  
USV, DC APPLIANCE

DRAWN BY

SWW

ORIGINAL ISSUANCE

2023.10.15

REVISION HISTORY

2023.10.21

DESCRIPTION

COMPOSITE #3  
PUCKS

B1.7M

**COMPANY**  
300X3.COM

**ASSOCIATE**  
NONE

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
120Z PC, VTOL UAV  
USV, DC APPLIANCE

**DRAWN BY**  
SWW

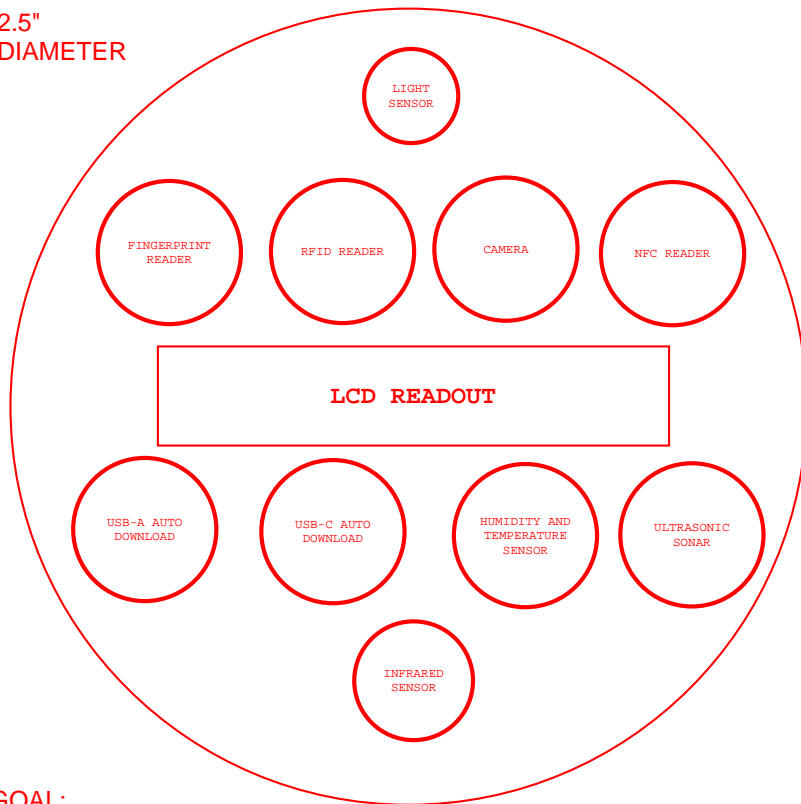
**ORIGINAL ISSUANCE**  
2023.10.15

**REVISION HISTORY**  
2023.10.21

**DESCRIPTION**  
LAYOUT FOR  
FABRICATION

SENSOR / FRONT DOOR PUCK  
(THIS IS ESSENTIALLY A PHONE ON A DOOR... LEGACY OS  
WOULD BE MUCH CHEAPER)

2.5"  
DIAMETER



GOAL:

1. SWAPPABLE COMPONENTS
2. MADE NEAR SAN DIEGO
3. LOW/MEDIUM WEIGHT
4. MANY SENSORS ON ONE PUCK - FRONT
5. 1 CAMERA ON ONE PUCK - BACK
6. USE ON DOOR & DRONE

LIKELY - DRONE PARTS (LOWER WEIGHT, SOLD INDIVIDUALLY)  
ISSUE - WIRING

KEYBOARD NUMPAD

**B1.L**

## AUTOMATED FISHING NET CYLINDER

### LAYER

TOP- RAFT/BALLOON WITH SOLAR SHADES WATER TO ATTRACT FISH, SPREADS NET, CREATES SOLAR POWER FOR ELECTROLYSIS. RAISES NET OVER TIME

MID - HYDROGEN ELECTROLYSIS AND PRESSURE PUMP CYLINDER, CREATES AND PRESSURIZES HYDROGEN.

BOTTOM - NET + DROGUE + FLASHERS - ATTRACTS & CATCHES FISH, ALIGNS/SPREADS NET

SONAR - IDENTIFIES PRESENCE OF FISH TO BEGIN RAISING NET

### PROCESS

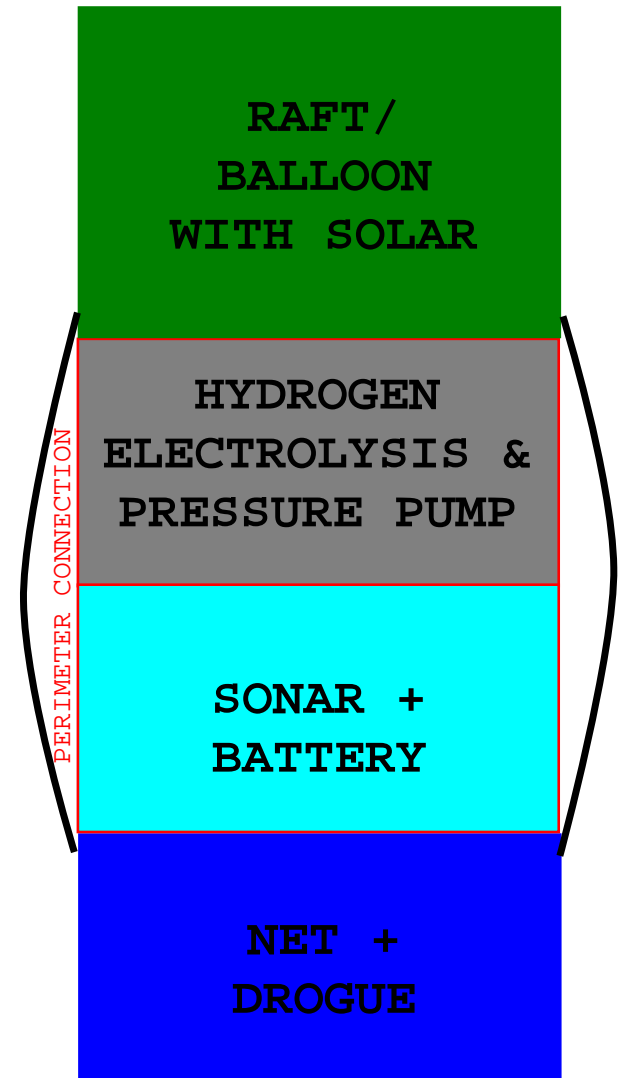
1. TOSS CYLINDER INTO WATER
2. RAFT/BALLOON BEGIN EXPANDING FROM INITIAL CHARGE OF HYDROGEN WITHIN ELECTROLYSIS CYLINDER.
3. NET/DROGUE UNSPOOL AND LOWER INTO WATER FROM WEIGHT OF NET/FLASHERS
4. RAFT/BALLOON REACH MAXIMUM SURFACE AREA WITHOUT FULL INFLATION (PERIMETER / CIRCUMFERENCE ONLY)
5. NET REMAINS LOW IN WATER.
6. UNDERWATER AREA MONITORED FOR PRESENCE OF FISH.
7. HYDROGEN PROCESSED BY SOLAR ELECTROLYSIS FOR WEEKS AND KEPT IN CANISTER.
8. ONCE FISH PRESENCE IDENTIFIED BY SONAR UNIT RAFT/BALLOON CONTINUE TO INFLATE TO RAISE THE NET. RAISING THE BALLOON CLOSES THE MOUTH OF THE NET AT A MEDIUM/SLOW PACE.
9. BALLOON RAISES
10. BALLOON IDENTIFIED BY BOAT OR ACTIVE SIGNAL SENT TO BOAT/SHORE
11. BALLOON PICKED UP ALONG WITH NET OF FISH.

### ALTERNATE

- BUOYS ONLY, NO BALLOON, NO RAFT, NET WINDS BACK INTO BUOYS.

### ISSUE

- KELP (USE SONAR TO AVOID LIFTING NET WHEN LARGER FOREIGN OBJECTS (NOT FISH) ARE PRESENT, OR WHEN FISH ARE LARGER (DOLPHINS/SHARKS/WHALES/SEALS, ETC.)



**WEARABLE COMPUTER**

ATTACH 12OZ WEARABLE COMPUTER TO BELT OR BAG.  
BLUETOOTH OR USB-C FOR CONNECTIONS.  
GLASSES REQUIRE USB-C FOR POWER AND RESOLUTION.

WRAP AROUND BICYCLE  
GLASSES IN LIEU OF  
GOGGLES (OPTION FOR  
OPAQUE/CLEAR) AND LOWER  
COST WHILE USING  
EXISTING FLEXIBLE CLEAR  
SCREENS.

**COMPANY**  
300X3.COM

**ASSOCIATE**  
NONE

**CUSTOMER**  
PUBLIC SALE

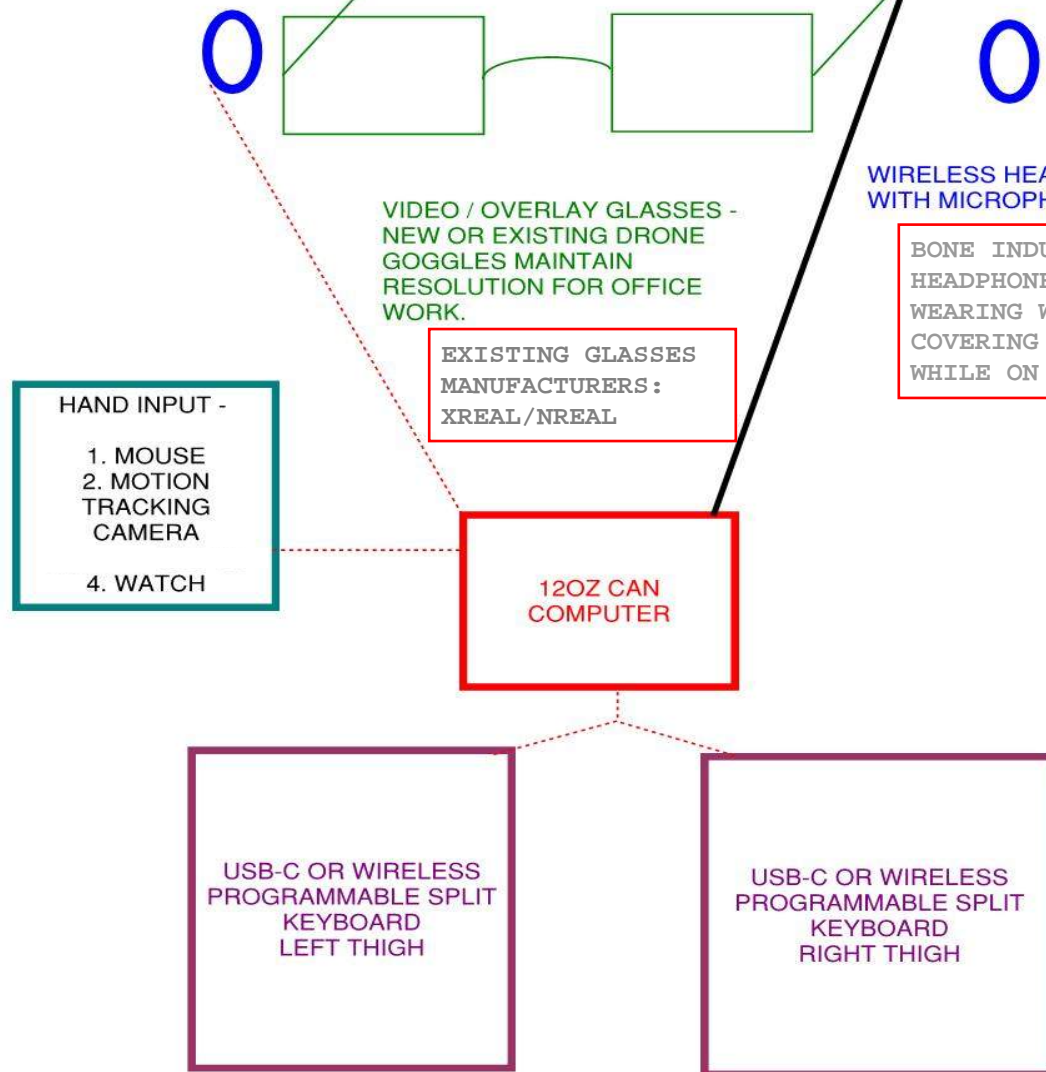
**GROUP**  
12OZ PC, VTOL UAV  
USV, DC APPLIANCE

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.10.15

**REVISION HISTORY**  
2023.10.21

**DESCRIPTION**  
100% WEARABLE  
PERSONAL COMPUTER



**B1.W**

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SHEET NUMBER:

**FABRICATION:**

1. 3D PRINT > INJECTION MOLD > CAST: LID A (ABS), LID B (CLEAR PLASTIC-ABS), COMPARTMENT BODY, SLEEVE (GLOW PLASTIC FOR INSIDE CASE SO THE SLEEVE COVERS OR REVEALS IT).
2. SHEETMETAL STAMP BATTERY CONNECTION PLATES
3. SHEETMETAL STAMP CABLING REPLACEMENT- CONNECTIONS FROM MOTHERBOARD TO LIDS THROUGH CAMERA MOUNT PINS.

**LINK TO 3D MODEL, PCLOUD FILESHARE:**

- <https://u.pcloud.link/publink/show?code=kZAP3iVZmCF1G1HL2Wb0zTC4sxQLS5CSp4dk>

**COMPANY**

300X3.COM

**ASSOCIATE**

NONE

**CUSTOMER**

PUBLIC SALE

**GROUP**

120Z PC, VTOL UAV  
USV, DC APPLIANCE

**DRAWN BY**

SWW

**ORIGINAL ISSUANCE**

2023.10.15

**REVISION HISTORY**

2023.10.21

**DESCRIPTION**

FABRICATION NOTES

**B1.F**

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SHEET NUMBER:

PART:

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SHEET NUMBER:

**ASSEMBLY:**

1. INJECTION MOLD PLASTIC PARTS FROM 3D PRINTED PROTOTYPE
2. BUILD STAMP FOR ELECTRICAL AND DATA ROUTING
3. HYDRAULIC STAMP SHEETMETAL FOR ELECTRICAL AND DATA ROUTING
4. FOLD AND INLAY STAMPED SHEETMETAL INTO INJECTION MOLDED CASE
5. SET SCREW CHIPSETS INTO INJECTION MOLDED CASE
6. LIGHT WATERPROOFING SPRAY COAT
6. GLUE FLEXIBLE SOLAR PANEL TO SLEEVE
7. GLUE LEDS ONTO LIDS
8. INSTALL O-RINGS
- INSTALL AA' AND BATTERY STRAP
9. PRINT CUSTOM GRAPHIC ONTO ALUMINUM CAN, ADD CUT LINE AT TOP OF CAN BODY WITH TAPE ON INSIDE OF CAN BODY.
10. PLACE COMPUTER CYLINDER INTO EMPTY 12OZ ALUMINUM CAN, SEAL TOP ON IN LOWER PRESSURE ENVIRONMENT.

**EXISTING PRODUCT ISSUES:**

- A. NO STANDARD BATTERY
- B. SHORT BATTERY LIFE
- C. NO ON-DEVICE RECHARGING (SOLAR)
- D. NOT REPAIRABLE
- E. LIMITED NUMBER OF OPERATING SYSTEMS
- F. NOT WATERPROOF
- G. LOW IMPACT RESISTANCE
- H. NO MESH NETWORK
- I. LOW POWER LIGHTS WITHOUT STANDARD USE CASES
- J. MEDICAL ISSUES FROM SCREEN USE (NECK, SPINE, ETC.)
- K. THEFT TARGET, STOLEN REGULARLY
- L. LOW QUALITY APPLICATIONS
- M. NO MOTOR CONTROLS, SO NO DIRECT APPLICATION TO ROBOTICS.

**ADVANTAGES OF CAN FORM FACTOR:**

1. STANDARD SIZE - HOLDERS, SLEEVES, PACKAGING, SHIPPING
2. STANDARD MOUNTS - BIKE WATER BOTTLES, CAR CUP HOLDERS, CHAIRS
3. STANDARD BATTERY SIZE: AA WHICH HAVE INTEGRATED MICRO USB CHARGING OPTIONS
4. EASY TO EXPAND USE CASES THROUGH CAMERA MOUNT AND PUCK ATTACHMENTS
5. POWER EFFICIENT
6. LOW COST - MORE MANUFACTURERS OF CHIPSETS
7. COMFORTABLE TO GRIP - NATURAL HAND USE, STRONG GRIP
8. MATCHED TO STANDARD IMAGING DEVICE LENSES - OLD AND NEW (NO EXPENSIVE CAMERAS)
9. WATERPROOF TO SHALLOW DEPTH
10. ALREADY SHIPPED INTERNATIONALLY IN LARGE QUANTITIES

**COMPANY**

300X3.COM

**ASSOCIATE**

NONE

**CUSTOMER**

PUBLIC SALE

**GROUP**

12OZ PC, VTOL UAV  
USV, DC APPLIANCE

**DRAWN BY**

SWW

**ORIGINAL ISSUANCE**

2023.10.15

**REVISION HISTORY**

2023.10.21

**DESCRIPTION**

ASSEMBLY NOTES

**B1.A**

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[CLICK FOR LINK TO TABLE OF CONTENTS](#)

SHEET NUMBER:  
PART:

PROCUREMENT:

- A. MOTHERBOARD (96 BOARDS), RADIOS, DIGITAL TUNER, TOUCH CONTROLS
- B. BATTERIES - AA LITHIUM POLYMER WITH MICRO USB INPUT
- C. FLEXIBLE SOLAR PANEL
- D. VELCRO BATTERY STRAP
- E. LEDS AND LIGHT DRIVERS (STRIPS AND FLAT ROUND)
- F. O-RINGS
- G. SPEAKER AND DRIVER
- H. DESIGN AND 3D PRINT PLUG REINFORCEMENT (COVER) FOR SPECIFIC 96 MOTHERBOARD
- I. 12 OZ ALUMINUM SHEETMETAL SLEEVES
- J. 12 OZ ALUMINUM CAN LIDS

COMPANY

300X3.COM

ASSOCIATE

NONE

CUSTOMER

PUBLIC SALE

GROUP

12OZ PC, VTOL UAV  
USV, DC APPLIANCE

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SWW

ORIGINAL ISSUANCE

2023.10.15

REVISION HISTORY

2023.10.21

DESCRIPTION

PROCUREMENT

B1 . P

**SUMMARY:**

- A. RUGGEDIZED COMPUTER CASE FOR ANY A.R.M. BOARD COMPLIANT OPERATING SYSTEM WITH SOLAR PANEL WRAPPED SLIDING INNER CYLINDER AND A 12 OZ CAN SHROUD.  
B. WATERPROOF AND SEALED FOR SHALLOW DEPTH AND SOME SHOCK ABSORPTION.  
C. 12 OZ CAN ALUMINUM SHROUD FOR SHIPPING, LABELING, AND CUSTOMIZATION.

**USECASES:**

1. STANDARD PC USE. NATIVE SOFTWARE: WORD PROCESSING, LOG VIEWING (DATABASE,) EMAIL COMPOSE AND SEND, PDF VIEW/LISTEN/EDIT.
2. AUDIO BIBLE, TEXT BIBLE - ESV PDF, DELETE PERMISSION REMOVED / ON ROM
3. VOICE AND INSTRUMENT AMPLIFICATION - AUX IN
4. FRONT AND REAR LIGHTS (WHITE AND RED) - WALKING & BIKING INCLUDING TURN SIGNALS
5. AREA LIGHT: READING, COOKING, SOCIALIZING, WORKING
6. CLOCK: 4 ALARMS, TIMER, DATE, TIDE
7. RADIO: LISTEN TO AM, FM, WEATHER
8. RADIO: SEND & RECEIVE: UHF, VHF
9. RADIO: DATA - WIFI, 3G/4G, BLUETOOTH, MICROWAVE SIGNAL REPEATER
10. BOAT LIGHT: ANCHOR & TRICOLOR FOR SAILING
11. POWER & DATA: USB A & C
12. CHARGING: USB MICRO & C
13. OFFLINE MAPS: PDF
14. ENCYCLOPEDIA BRITTANICA: PDF
15. FATHER SON LIBRARY, OLD VERSION (1920S): PDF
16. MUSIC (SPEAKER): MP3
17. AUTOPILOT AND MOTOR CONTROLS FOR SMALL VEHICLES

**COMPANY**

300X3.COM

**ASSOCIATE**

NONE

**CUSTOMER**

PUBLIC SALE

**GROUP**

12OZ PC, VTOL UAV  
USV, DC APPLIANCE

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SWW

**ORIGINAL ISSUANCE**

2023.10.15

**REVISION HISTORY**

2023.10.21

**DESCRIPTION**

USE CASES -  
CAN COMPUTER

**B1.U1**

**0. PUCK HOUSINGS**

- 0.1 PUCK HOUSINGS ARE 2.5" DIAMETER, HEIGHT <4" FOR 12 OZ CAN SHIPPING AND STORAGE.  
0.2 ROTATING MOUNTS ALLOW FOR PHYSICAL ATTACHMENT BETWEEN SECTIONS AND 4 PIN POWER(2 LOW & 2 HIGH VOLTAGE) TO THE AA BATTERY PACK .  
0.4 ONE DIAL ON THE TOP OF THE BATTERY PACK TURNS THE POWER SUPPLY ON/OFF + LEVEL.  
0.5 NONE OF THESE ARE EXISTING PRODUCTS. EXPECIALLY NOT IN DC BATTERY POWERED FORM, EVEN LESS SO AT THIS WEIGHT OR SIZE BECAUSE OF THE MOUNTING ATTACHMENT / SWAPPING MODULARITY.  
0.6 HEIGHT OF UNITS: .F = FULL @ 4", .H= HALF @ 2", .Q = QUARTER @ 1" (APPROXIMATE)

**1. SOLAR POWER: CREATION, CHARGING, SMALL SCALE**

- 1.A.F AC/DC POWER INPUT AND OUTPUT, XT60, USB-A, USB-C, BANANA PLUGS. 1 STANDARD OUTLET, 1 STANDARD COMPUTER INPUT  
1.B.H CAPACITOR  
1.C.H CAR JUMPER / CHARGER A  
1.D.F ROLLED SOLAR PANELS AT 4" WIDTH (12OZ CAN HEIGHT)

**2. PEDAL CRANK**

- 2.A.Q PEDAL CRANK - ARM AND PEDAL  
2.B.Q FLOOR MOUNT - 12OZ CAN HOLDER FOR FOOT PEDALS

**7. ELECTRIC POWER**

- 7.1.F AA EXPANDED BATTERY PACK AND DIAL CONTROL

**3. MOTORS**

- 3.1.Q POWER MANAGEMENT MODULE - SPLIT HIGHER AND LOWER VOLTAGES  
3.2.Q ELECTRONIC SPEED CONTROLS & SERVOS FOR DUCTED FAN ROTATION  
3.A.F SPATULA, SMALL CAN (1.5"D), BIG CAN (2.5"D) - ICE CREAM TUBE MAKER & IMMERSION BLENDER (BLADE AT END OF SMALL CAN)  
3.C.H HOUSING, FAN/SCOOP - WATER PUMP, .5" NPT STANDARD FILTER - CLEAN WATER  
3.D.F\*2 DUCTED FAN HOUSINGS, 4: 180 ROTATION SERVOS, 1:AUTOPILOT MODULE, PROPS, EXPANDED AA BATTERY PACK - DUCTED FAN DRONE (UAV&USV)  
3.E.Q CONTRA MOTOR (COUNTER ROTATING ELECTRIC MOTOR FOR PROPS) - PLANE (UAV)  
3.G.F WHEELS - CAN CAR (2 WHEELS AT EITHER END)  
3.H.H MACERATOR AND PUMP - WASTE AND DIRTY WATER  
3.I.H AIR PUMP, VACUUM / PUMP HOUSING - TIRE AND INFLATABLE PUMP OR VACUUM - DINNER/RESTAURANT/PICNIC TABLE CRUMB "CATCHER" AND CAR VACUUM

**4. COOLING**

- 4.1 PELTIER ROD (OR REVISED NALGENE LID WITH BUILT IN PELTIER PANEL), NALGENE BOTTLE - REFRIGERATOR

**5. HEATING**

- 5.1.H HEATING COILS - HOT AIR  
5.2.H HEATING ELEMENT OVER 240 WATTS - FAST HOT WATER

**COMPANY**

300X3.COM

**ASSOCIATE**

NONE

**CUSTOMER**

PUBLIC SALE

**GROUP**

12OZ PC, VTOL UAV  
USV, DC APPLIANCE

**DRAWN BY**

SWW

**ORIGINAL ISSUANCE**

2023.10.15

**REVISION HISTORY**

2023.10.21

**DESCRIPTION**

USE CASES -  
ADDITIONAL PUCKS

**B1.U2**

**8. TURBINE POWER**

8.A.H COMPRESSED AIR MICROTURBINE & ALTERNATOR

**9. USB-C PLUGIN ACCESSORIES**

9.A SOLDERING IRON- NEED 240W+ SUPPLY (EXISTING)

9.B DREMEL - NEED 240W+ SUPPLY (EXISTING)

9.C FAN (EXISTING)

9.D LIGHT STRING (EXISTING)

**SUBTOTAL:**

F: 7 = 7 FULL

Q: 5 = 1.25 FULL

H: 8 = 4 FULL

**END RESULT:**

12 ACCESSORY CANS AS SMALL SCALE, AA, DC: SOLAR GENERATOR, CAR JUMPER, AA BATTERY CHARGER /  
BACKUP BATTERY, EMERGENCY POWER CRANK, UAV DRONE, USV DRONE, RC CAR, AIR COMPRESSOR, VACUUM,  
REFRIGERATOR, ICECREAM MAKER, WATER PUMP WITH REPLACEABLE FILTER, WATER HEATER, HAIR DRYER,  
EMERGENCY WATER PUMP (DIRTY WATER EMULSIFIER.)

+1 COMPUTER CAN AS: PERSONAL COMPUTER, RADIO, MULTIPURPOSE SIGNAL LIGHTS, AND SOUND

**COMPANY**

300X3.COM

**ASSOCIATE**

NONE

**CUSTOMER**

PUBLIC SALE

**GROUP**

12OZ PC, VTOL UAV  
USV, DC APPLIANCE

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**ORIGINAL ISSUANCE**

2023.10.15

**REVISION HISTORY**

2023.10.21

**DESCRIPTION**

USE CASES -  
ADDITIONAL PUCKS  
HIGH POWER & USB

**B1.U3**

**EXISTING PRODUCT ISSUES:**

- A. NO STANDARD BATTERY
- B. SHORT BATTERY LIFE
- C. NO ON-DEVICE RECHARGING (SOLAR)
- D. NOT REPAIRABLE
- E. LIMITED NUMBER OF OPERATING SYSTEMS
- F. NOT WATERPROOF
- G. LOW IMPACT RESISTANCE
- H. NO MESH NETWORK
- I. LOW POWER LIGHTS WITHOUT STANDARD USE CASES
- J. MEDICAL ISSUES FROM SCREEN USE (NECK, SPINE, ETC.)
- K. THEFT TARGET, STOLEN REGULARLY
- L. APPLICATIONS LIMITED BY OPERATING SYSTEM CHOICE
- M. NO MODULARITY BETWEEN PRODUCT USE CASES
- N. NO RE-USABLE SHIPPING MATERIALS
- O. NO STANDARD FORM FACTOR

**ADVANTAGES OF CAN FORM FACTOR:**

- 1. STANDARD SIZE - HOLDERS, SLEEVES, PACKAGING, SHIPPING
- 2. STANDARD MOUNTS - BIKE WATER BOTTLES, CAR CUP HOLDERS, CHAIRS
- 3. STANDARD BATTERY SIZE: AA WHICH HAVE INTEGRATED MICRO USB CHARGING OPTIONS
- 4. EASY TO EXPAND USE CASES THROUGH CAMERA MOUNT AND PUCK ATTACHMENTS
- 5. POWER EFFICIENT
- 6. LOW COST - MORE MANUFACTURERS OF CHIPSETS
- 7. COMFORTABLE TO GRIP - NATURAL HAND USE, STRONG GRIP
- 8. MATCHED TO STANDARD IMAGING DEVICE LENSES - OLD AND NEW (NO EXPENSIVE CAMERAS)
- 9. WATERPROOF TO SHALLOW DEPTH
- 10. ALREADY SHIPPED INTERNATIONALLY IN LARGE QUANTITIES

**DISADVANTAGES OF CAN FORM FACTOR:**

- 1. SMALL QUANTITY
- 2. SMALL TO MODERATE POWER LEVEL
- 3. DIFFICULT TO CARRY IN A POCKET
- 4. ALREADY COMMON IN VARIOUS ACCESSORIES THAT HAVE NOT BEEN INTEGRATED MODULARLY
- 5. SPACIALLY INEFFICIENT COMPARED TO THE CUBE. ALL SPACE BETWEEN A CYLIER AND A CUBE IS ESSENTIALLY "WASTED"
- 6. LOW SCREEN REAL ESTATE, LIMITED LED READOUT OR A WRAPPED SCREEN
- 7. BIGGER THAN SOME HANDS CAN GRIP. EXAMPLE: SMALLER CANS ARE USED TO SELL CAFFEINE AND ENERGY DRINKS TO YOUNGER GENERATIONS WITH SMALLER HANDS.
- 8. ROLLS WHEN DROPPED

**COMPANY**  
300X3.COM

**ASSOCIATE**  
NONE

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
12OZ PC, VTOL UAV  
USV, DC APPLIANCE

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.10.15

**REVISION HISTORY**  
2023.10.21

**DESCRIPTION**  
COMPARISON OF  
ADVANTAGES

**B1.C**

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SHEET NUMBER:

**COMPANY**

300X3.COM

**ASSOCIATE**

NONE

**CUSTOMER**

PUBLIC SALE

**GROUP**

12OZ PC, VTOL UAV  
USV, DC APPLIANCE

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**ORIGINAL ISSUANCE**

2023.10.15

**REVISION HISTORY**

2023.10.21

**DESCRIPTION**

ESTIMATE

**B1 . E**

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BETTER EXAMPLE: PDF IS COMMON WITHIN BUSINESSES THAT DO FABRICATION ALONGSIDE 3D MODELS AND THE MACHINE CODE RELATED TO THEM AND IS ALSO A METHOD FOR DEVELOPING CONSENSUS AROUND CUSTOM WORK. OTHERWISE, PRINT IT.

UNFORTUNATELY - 3D IS STILL A BUSINESS AND STANDARD BATTLEFIELD, SO 3D PDF IS INCLUDED ON THE FOLLOWING PAGE INSTEAD OF ON THIS ONE AND CAN ONLY BE VIEWED IN SPECIFIC SOFTWARE. I USE BLUEBEAM FOR MY PDFS (AN OLDER VERSION TO ELIMINATE SUBSCRIPTION FEES.) 3D PDF IS ALSO VIEWABLE WITHIN ADOBE READER. WHILE INTERNET BROWSERS IN 2023 SUPPORT 2D PDF, THEY DO NOT CURRENTLY SUPPORT 3D PDF.

IN PART, THIS IS BECAUSE PDF CAN REPLACE HTML IN MANY WAYS - THE WEBSITE 300X3.COM IS BUILT ENTIRELY WITHIN PDF WITHOUT OTHER HTML BEYOND LINKS. DOES HTML SUPPORT FURTHER REACHING USE CASES WITH SIGNIFICANTLY MORE COMPLEXITY? - ABSOLUTELY, AND THAT COMPLEXITY TYPICALLY MAKES US MISERABLE AS INDIVIDUALS / SOCIETY. BECAUSE OF ITS COMPLEXITY. PDF AND OTHER ISO STANDARDS ARE AN EASY WAY OUT OF THE RAT RACE AND INTO A PRODUCTIVE BUSINESS / DAY THAT YOU CAN STILL

~~PRINT TO PAPER, IMAGINE THAT (YOU DON'T HAVE TO, YOU'RE HOLDING IT.)~~

COMPANY

300X3.COM

ASSOCIATE

NONE

CUSTOMER

PUBLIC SALE

GROUP

120Z PC, VTOL UAV  
USV, DC APPLIANCE

DRAWN BY

SWW

ORIGINAL ISSUANCE

2023.10.15

REVISION HISTORY

2023.10.21

DESCRIPTION

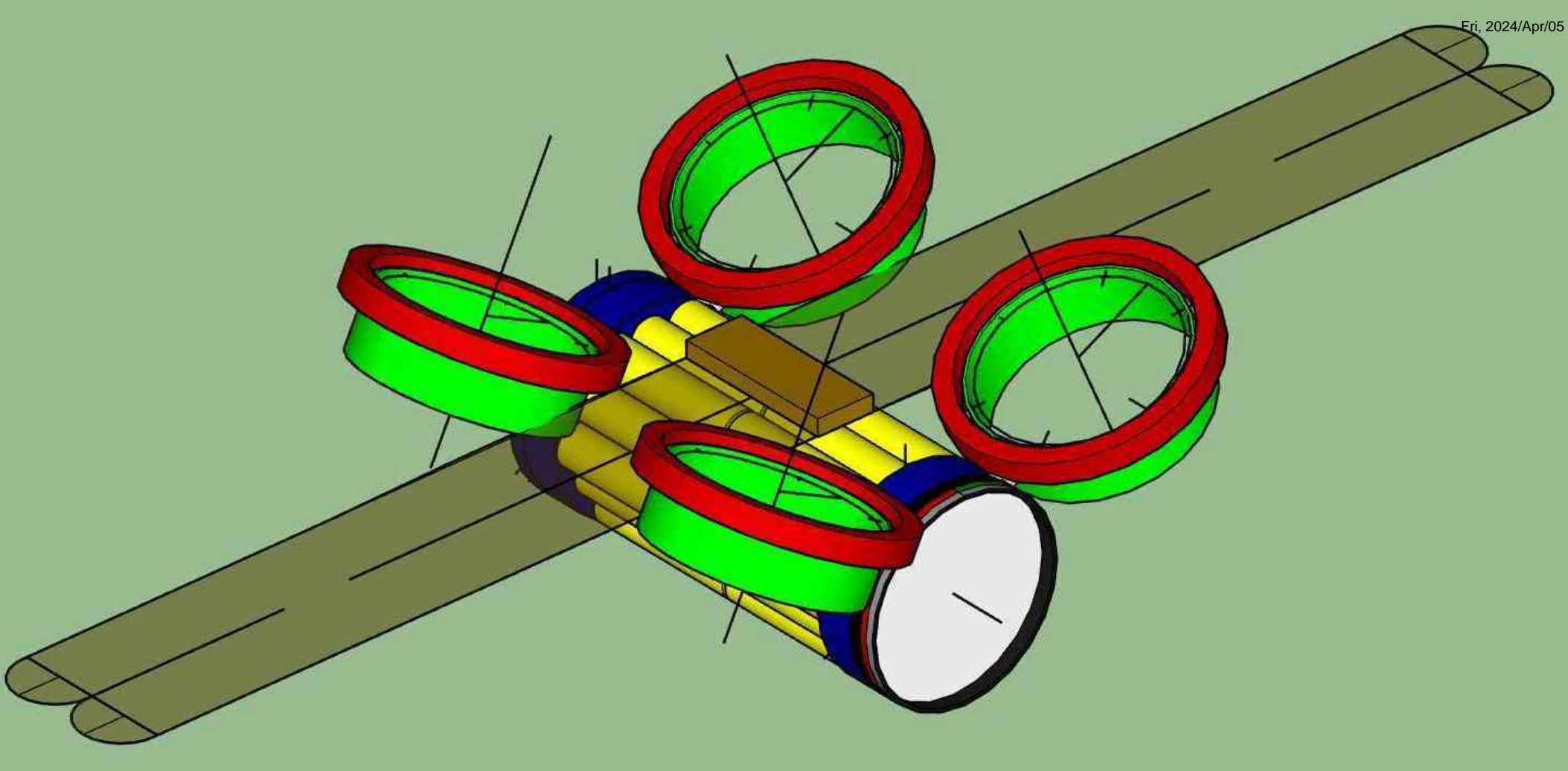
3D PDF

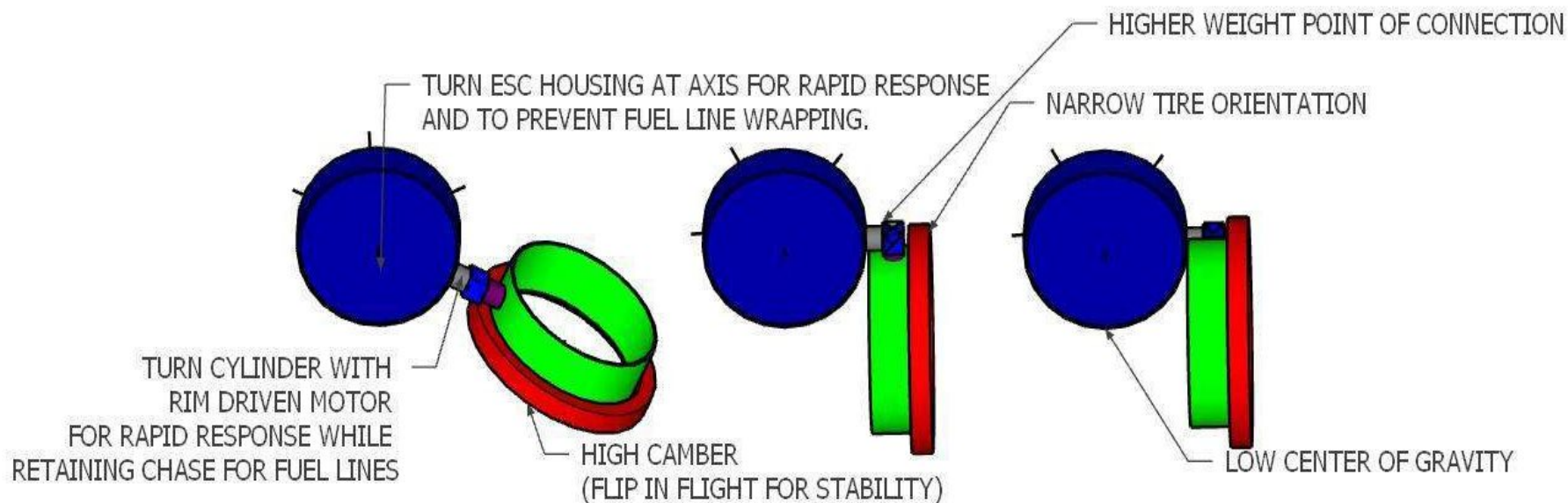
B1.3D





Fri, 2024/Apr/05





# MULTI-POINT MOTOR ATTACHMENT CYLINDER TO CUBE



BOX CARGO SYSTEM WITH LOCKING  
RINGS ON EACH SIDE FOR  
MOTORS/WHEELS

ENLARGED CYLINDER CARGO SYSTEM

DRONE ATTACHMENT:  
PLOUGH

DRONE ATTACHMENT:  
TUBE HOLDER FOR FRUIT HOLDER  
AND TOP SLOT FOR STEM CUTTERS

DRONE ATTACHMENT:  
SEED SPREADER

DRONE ATTACHMENT:  
WATER SPRAYER

CAN CONNECTION METHOD

USB-C  
CONNECTING  
PINS - MALE

O-RINGS

SLEEVE

TRAY AT CENTER AXIS  
(OPEN TO EITHER SIDE)

THREADS  
COUPLER

USB-C  
CONNECTING PINS  
- FEMALE

CIRCULAR END  
CAPS & TRAY

TRAY AT CENTER AXIS  
(OPEN TO EITHER SIDE)

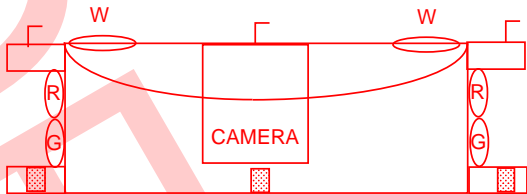
ENDCAP

DIFFERENT SIZES  
(1", 2", 4" LENGTH  
AT 2.5" DIAMETER)

LIDS

LIGHT LENS

LIGHT LAYOUT MAY BE  
OK, BUT CONCEPT IS  
WRONG, STICK TO 12OZ  
CAN SIZE.

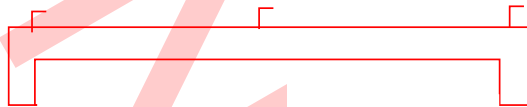


OPTION FOR  
ENCAPSULATING  
LID ON TOP OF  
WATERPROOF  
ENCLOSURE  
(PEANUT BUTTER  
JAR)

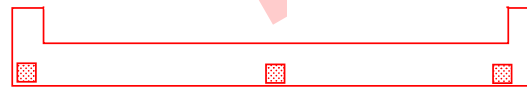
ISSUE: WON'T FIT  
IN A 12OZ CAN  
FOR SHIPPING OR6  
SALE.

12OZ CAN SIZE  
MEANS USE OF  
STANDARD VENDING  
MACHINES, CUP  
HOLDERS, 6 PACK  
RINGS, ETC. FOR  
TRANSPORT AS  
WELL AS  
INTEGRATION WITH  
OTHER LOCK-IN  
APPLIANCE  
"PUCKS" THAT  
ALSO OPERATE  
INDEPENDENTLY  
WITH DIRECT AA  
BATTERY  
CONNECTION.

REPLACEMENT LID WITH  
POSITIVE MOUNT



BOTTOM CAP WITH NEGATIVE  
MOUNTS



RESOLUTION:

MOVE MOTOR ARM TO EDGE OF  
CIRCUMFERENCE AT EACH  
INDIVIDUAL MOTOR. MAINTAIN  
A SHORT MOTOR ARM.

THIS PLACES THE MOTORS AND  
THE ARMS PROUD OF THE FRONT  
OR BACK CAP AND ALLOWS FOR  
ATTACHING A CENTRAL  
FUSELAGE OF ANY SIZE AND  
SHAPE AS LONG AS IT  
INCLUDES A MOUNTING RING.

EXAMPLE, A SINGLE MOUNTING  
RING ON EACH SIDE OF THE  
CUBE ALLOWS FOR MOUNTING 8  
DUCTED FANS TO A CUBED  
FUSELAGE / PACKAGE HOLDER  
WHILE THE CYLINDER MOUNTS  
ON EACH FACE CAN INCLUDE  
ADDITIONAL  
PUCKS/FUEL/HARDWARE, ETC.

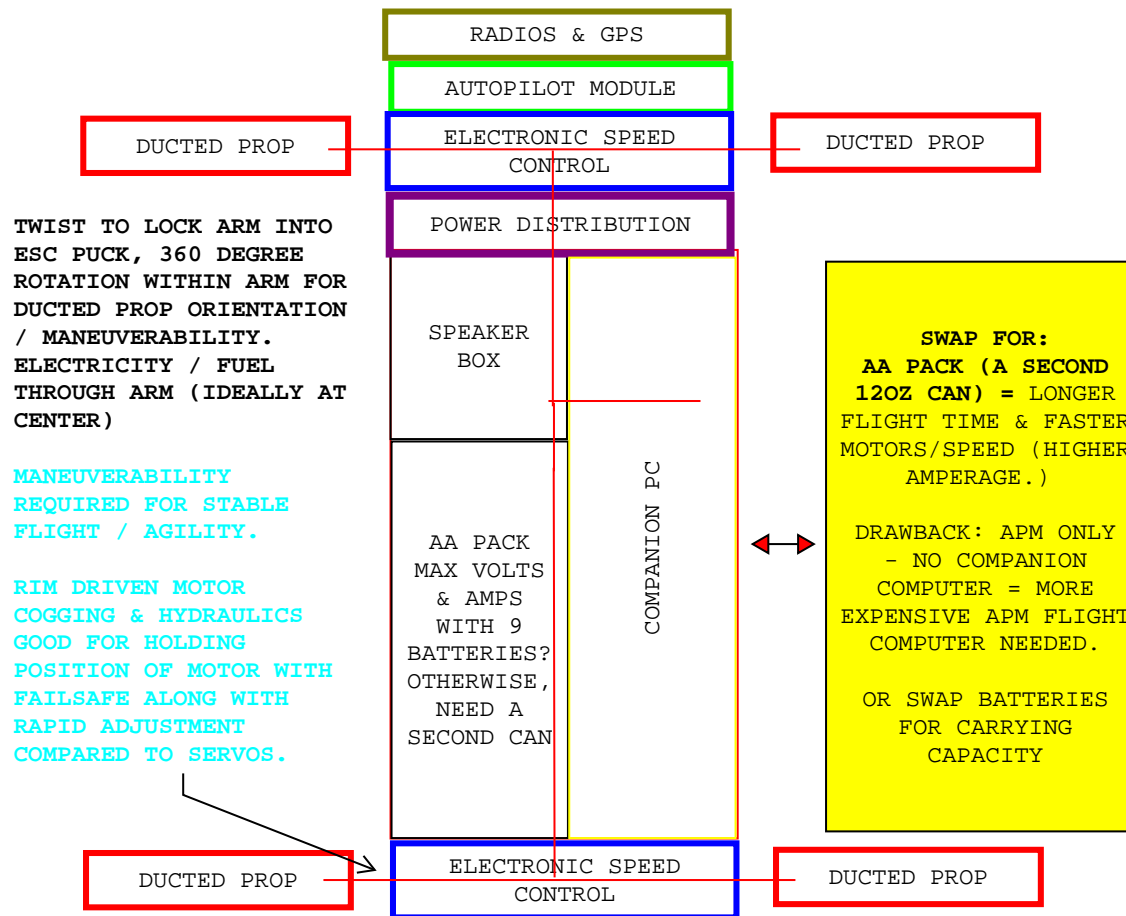
REVISION - MAINAIN A 2.5" DIAMETER PIPE WITH OUTER THREADS AND A  
THREADED COLLAR TO CONNECT PARTS.

ADD AN O-RING AND MALE SOCKET ONE SIDE, FEMALE SOCKET OPPOSITE SIDE,  
THREADING ON OUTSIDE TO CONNECT PIPES (CANS). LOCK OUTER COLLAR TO ONE  
CAN IN ORDER TO AUTOMATE CONNECTING/DISCONNECTING.

Fri, 2024/Apr

COMPARTMENT LAYOUT

(ALLOWS FOR DRIVING MODE, REQUIRES EITHER VERY NARROW BRUSHLESS MOTOR (FOR AIRFLOW) OR A SMALL SIZE RELUCTANCE MOTOR TO ALLOW FOR AIRFLOW AND INCREASED THRUST.)



SECONDARY ORIENTATION

(SUPPORTS LIFT THROUGH CONTRA ROTATING PRIMARY PROPELLER UNTIL SMALL SIZE RELUCTANCE MOTORS AND PROPELLERS ARE AVAILABLE. SIMPLY ROTATE 2 DUCTED FANS 90 DEGREES AND MOUNT AT SECONDARY MOUNTING POINT. ADD COUNTER ROTATING PROPELLERS AT TOP OF CAN FOR PRIMARY THRUST (LARGER PROPELLER)

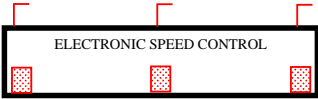


ELECTRONIC SPEED CONTROL &  
MOTOR MOUNT PUCK

Fri, 2024/Apr/05 12:26



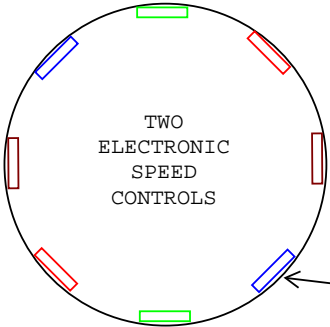
SIDE (SECTION)



MOTOR MOUNTS

(FOUR ORIENTATIONS, ONE PLUG ROTATION-KIND FOR EACH)

TOP



MOUNT LOCATIONS (MOTOR  
ORIENTATION OPTIONS)

MOUNT CLOSEUPS

(SMALL AT ESC AND FAN PUCKS ALONG SIDE)  
(LARGE BETWEEN SECTIONS)

POSITIVE MOUNT      NEGATIVE MOUNT

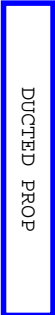
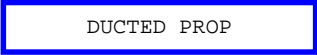
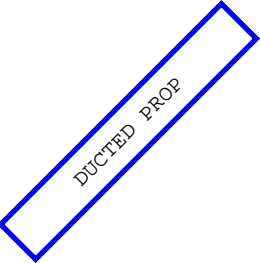
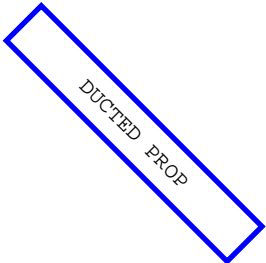


CHASE: 3+1 WIRE & 2  
PRESSURIZED AIR/GAS  
LINES. EXHAUST  
THROUGH BLADE TIP OR  
RECIRCULATE BACK TO  
TURBOCHARGER

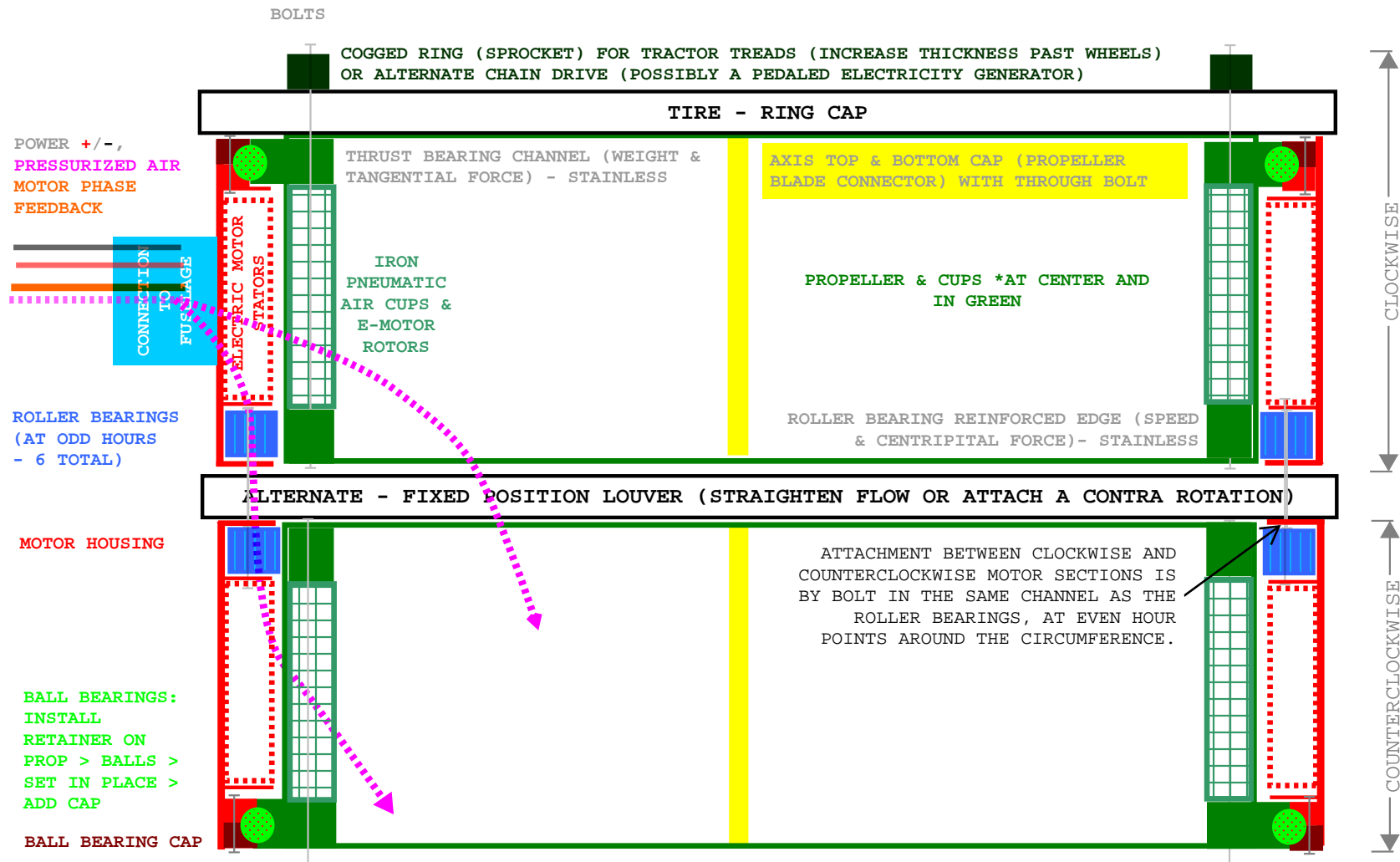
SIDE

(SHOWING DUCTED FAN ORIENTATION) -  
MOUNTED AT CENTER, POWERED BY WIRES AT  
CENTER HOLE OR CONTACTS BETWEEN PUCK  
AND MOTOR HOUSING.

ALTERNATE:  
BRUSHLESS  
MOTOR IN ARM  
AND STANDARD  
DUCTED FAN



V2 SKETCH (AXIAL SECTION) OF A CYLINDRICAL MOTOR FOR AIR/LAND/SEA  
(PROPELLER, TIRE + TREAD, PROP) + OPTION FOR FIXED CHAIN DRIVE



WOULD THIS ALSO FUNCTION AS A CHAIN DRIVEN GENERATOR? CHECK HAND CRANK VIDEO FOR CAPACITOR CHARGING EXAMPLE.

WHY THIS DESIGN? - MULTIPLE FUEL SOURCES WITHOUT ADDITIONAL WEIGHT AND WITH AIR/LAND/SEA OPERATION. - ELECTRIC POWERED, GAS POWERED, OR PEDAL POWERED. HOW? - ELECTRIC MOTOR ROTORS ARE ALSO "BUCKETS" FOR COMBUSTION/EXHAUST GAS WHILE ALSO EXISTING AS STANDARD FAN BLADES ORIENTED TO THE PROPELLER, TIRE/SPROCKET IS REMOVABLE FOR LAND TRAVEL THROUGH A SEPARATE BIKE CRANK WHILE BALL BEARINGS MAINTAIN WEIGHT SUPPORT, A LOW-PROFILE ELECTRIC MOTOR WITH BUILT-IN ELECTRIC BRAKES FROM A RELUCTANCE MOTOR ROTOR SYSTEM ALSO ALLOWS FOR SPEED CONTROL AND ELECTRIC PROPULSION.

RESULTS IN THIS ENGINE/PROP/TIRE ASSEMBLY

ARM ATTACHMENT WITH 360 ROTATION AT INTERIOR (SMALL BRUSHLESS MOTOR WITH REINFORCED ROTOR SHAFT OR RIM DRIVEN ELECTRIC MOTOR WITH CENTER FUEL LINE CHASE)

CONCEPT

ELECTROMAGNETS (MOTOR STATOR) AND CASING ALONG CIRCUMFERENCE. GAPS BETWEEN STATORS ALLOW FOR FLOW OF PRESSURIZED GAS.

ABOVE

STATORS (ELECTRO MAGNETS), REDUCE QUANTITY TO ALLOW FOR AIR/GAS CUPPING

TIRES & RIM (WEIGHT BEARING)

PROPS / TURBINE (ATTACHED TO SOLID INNER CASING AS SINGLE PIECE)

PERMANENT MAGNETS AND INNER CASING

GAS

ELECTRICITY IN, MOTOR STATE OUT

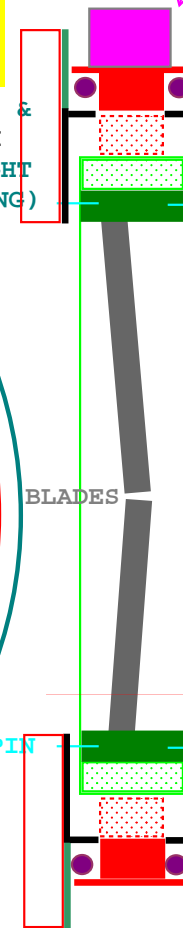
3+1 WIRE

1+1 GAS / HYDRAULIC LINES

1 LAYER ROLLER BEARINGS (FOR SPEED)  
AND 1 LAYER BALL BEARINGS (FOR LOAD)

NUMBER OF STATORS IS LIKELY TO CHANGE DEPENDING ON PROP/TIRE SIZE. COMPUTER MUST JUGGLE VARIABLES FOR: # OF STATORS, CIRCUMFERENCE OF PROPELLER/TIRE, SPEED/RPMS, AIR/GAS PRESSURE, AND ELECTRICITY VOLTS/AMPS.

SECTION



FAN - SOLID CIRCUMFERENCE.

ROTORS AND PRESSURIZED GAS CUPS

BALL BEARINGS

FIXED ENGINE HOUSING

SKETCH: ELECTRIC MOTOR WITHOUT SHAFT.

CHANGES FROM STANDARD BRUSHLESS ELECTRIC MOTOR:

- NO BELL
- NO SHAFT
- ORIENTATION OF
- MAGNETS & STATORS REVERSED

ADVANTAGES:

- TORQUE
- SPEED
- THRUST CONTROL
- NOISE

DISADVANTAGES:

- POWER CONSUMPTION?
- BEARINGS AT CIRCUMFERENCE
- MAINTENANCE?
- EASY ACCESS
- COST?
- MORE MAGNETS, MORE BEARINGS, BUT SMALLER STATORS & FEWER COPPER WINDINGS
- LESS OVERALL THRUST?

HISTORY

NONE WITH REVERSED ELECTRIC MOTOR DESIGN, BUT DUCTED PROPELLERS ARE VERY COMMON, TYPICALLY QUIETER



04/03/2019



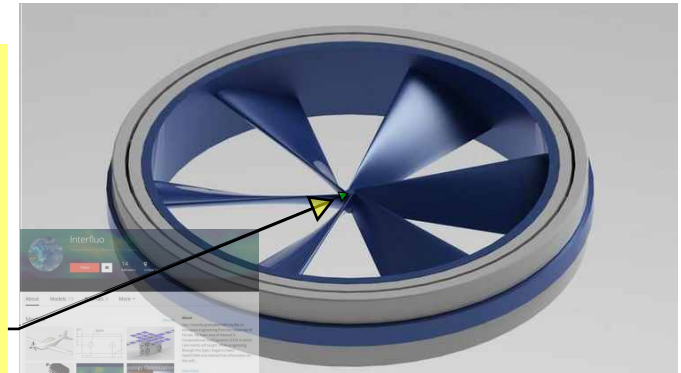
### It's A Wrap!

After a whirlwind week filled with thousands of people, VIPs from Defence and industry, and many school group tours, Avalon Airshow 2019 has come to

[Read More](#)

EXAMPLE OF  
SMALL  
PRESSURIZED  
POWER FOR A  
RIM DRIVEN  
FAN.

REMOVABLE  
CENTER WITH  
ANGLED SLOTS,  
ATTACHED WITH  
A THROUGH  
BOLT.  
INCREASES  
BLADE  
STRENGTH,  
ALLOWS FOR A  
HUB PIN, AND  
CAN BE REMOVED  
FOR LONGER  
TERM OPERATION  
IN WATER.



## Implementation of Electrical Rim Driven Fan Technology to Small Unmanned Aircraft

Robert Cameron Bolam, Yuriy Vagapov  
School of Applied Science, Computing and Engineering  
Glyndwr University  
Wrexham, LL11 2AW, UK

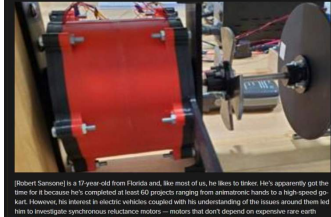
Fig. 5. Performance comparison of BLDC and RDF motor technology.

### YOUNG INVENTOR BUILDS MOTOR WITHOUT RARE EARTHS

by: Al Williams

49 Comments

August 12, 2022



Yancopoulos Innovator Award

Copy link

Robert Senozon is a 17-year-old from Florida and, like most of us, he likes to tinker. He's apparently got the new bit because he's completed at least 60 projects ranging from astrophysics to a high-speed go-kart. However, his interest in electric vehicles coupled with his understanding of the issues around them led him to investigate synchronous reluctance motors — motors that don't depend on expensive rare earth



Watch on



ISEF  
SOCIETY FOR SCIENCE  
ATLANTA | 2022

BRAKES,  
MOTOR  
EFFICIENCY  
GAINS, SPEED  
CONTROL, NO  
RARE EARTH  
MAGNETS.

10K RPM  
RIM  
DRIVEN  
ELECTRIC FAN  
WITH CENTER  
PIN



Fig. 6. Prototype RDF unit running at speeds in excess of 10,000 rpm.

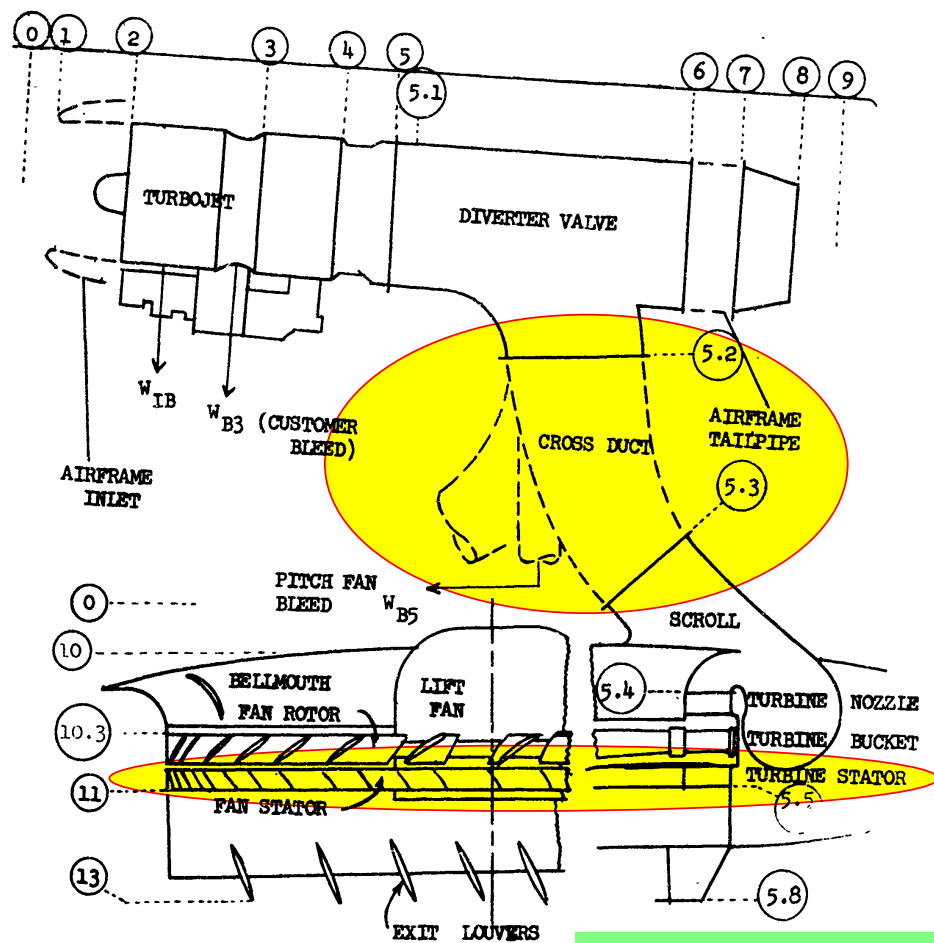


Figure 58  
100

ARE FAN STATORS AND EXIT LOUVERS REQUIRED IF THERE ARE MULTIPLE FANS AND THEIR THRUST OFFSETS EACHOTHER? DOESN'T MATTER - MAKE THEM REMOVABLE AS A DISC.

STATION DESIGNATIONS

CROSS DUCT - GOOD CONNECTION DETAIL. MAINTAIN CROSS DUCT, ROUTE AIRFLOW TO OPPOSING ENDS OF FAN, AND CAP SECOND FLOW UNTIL ANOTHER FAN IS ADDED IN A CONTRA ROTATING DIRECTION. THAT WILL LEVEL THE EXHAUST PRESSURE, ELIMINATE THE RETURN AIR BACK TO THE SUPPLY, AND WILL PROVIDE ADDITIONAL THRUST FROM THE CONTRA ROTATION.

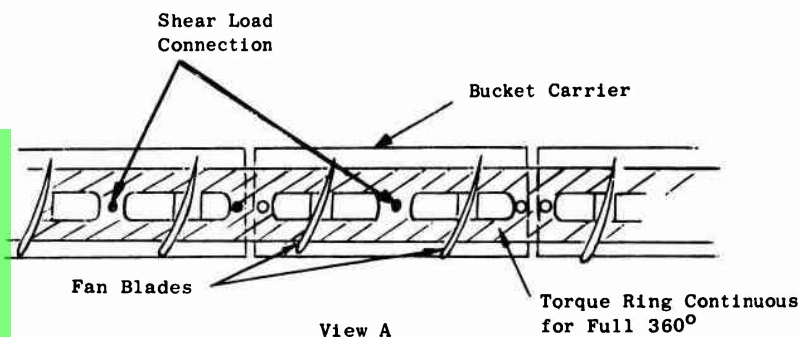
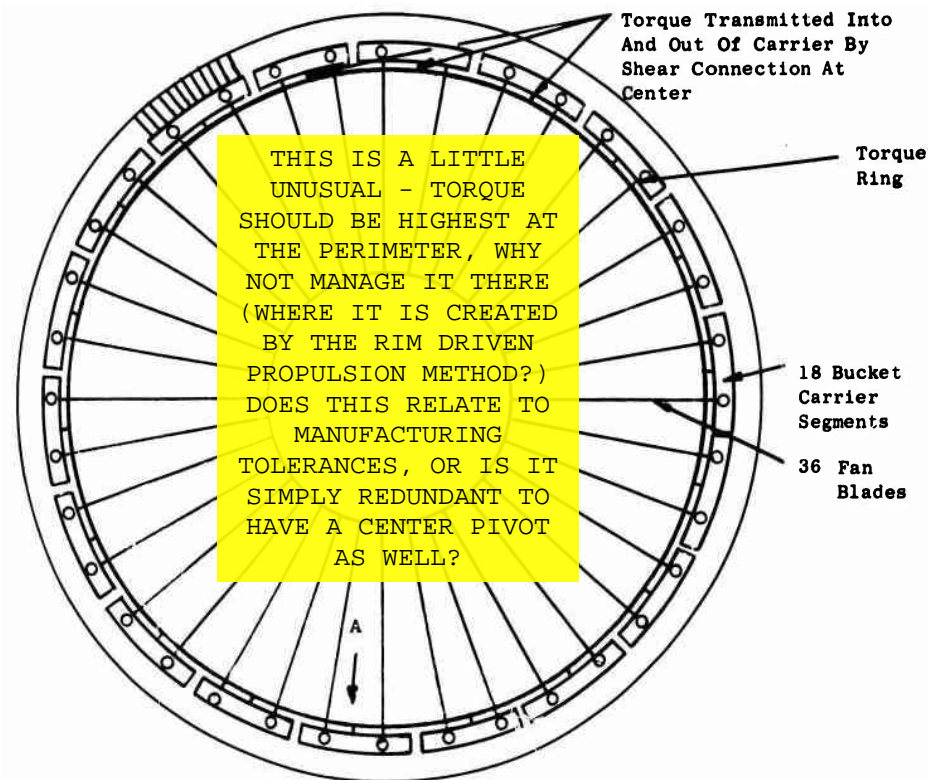


Figure 35. Pitch Fan Torque Band

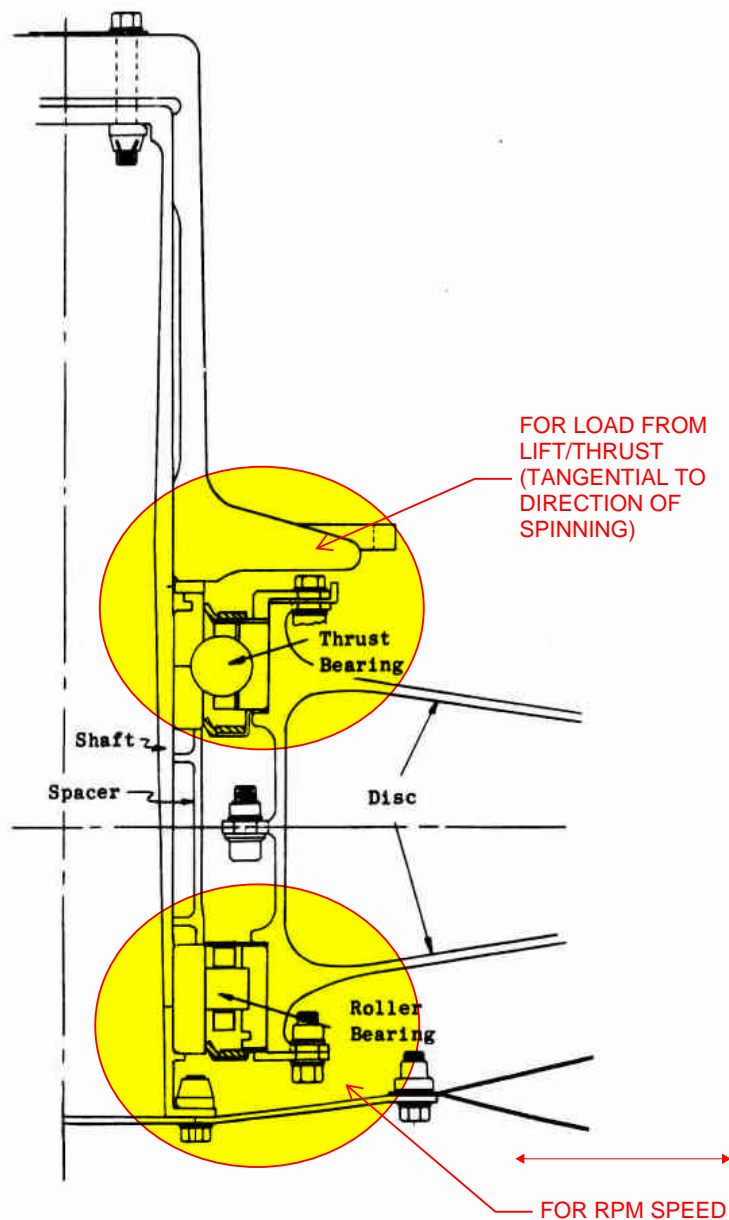
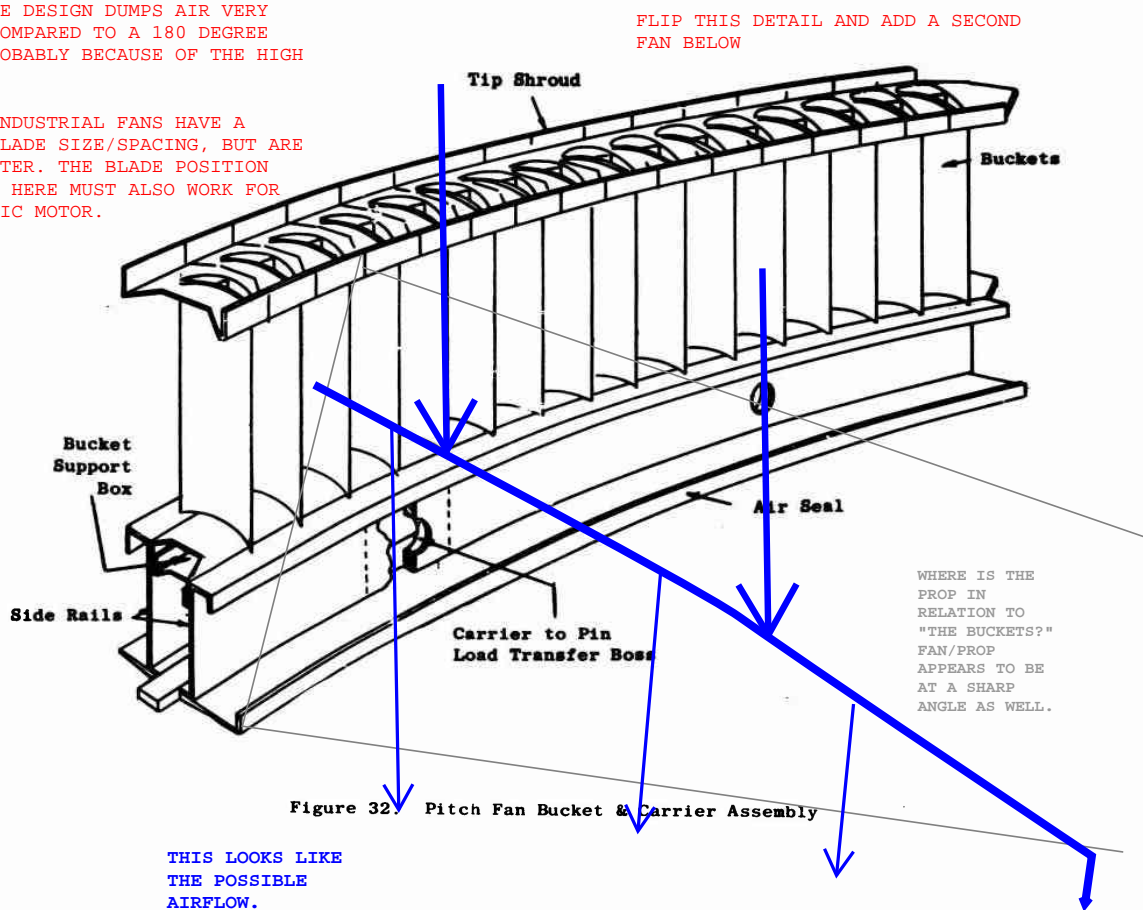


Figure 36. Hub Cross Section

THIS BLADE DESIGN DUMPS AIR VERY QUICKLY COMPARED TO A 180 DEGREE SHAPE. PROBABLY BECAUSE OF THE HIGH PRESSURE.

SMALLER INDUSTRIAL FANS HAVE A SIMILAR BLADE SIZE/SPACING, BUT ARE EVEN FLATTER. THE BLADE POSITION AND SHAPE HERE MUST ALSO WORK FOR AN ELECTRIC MOTOR.



FLIP THIS DETAIL AND ADD A SECOND FAN BELOW



RYAN AERONAUTICS XV-5A  
GE X353-5 VERTIFAN  
(PNEUMATIC RIM DRIVEN FAN)

EXCERPTS FROM PUBLICLY AVAILABLE DOCUMENTS

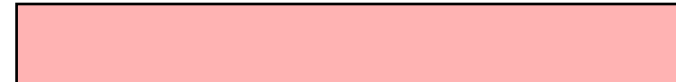
<https://apps.dtic.mil/sti/tr/pdf/AD0646289.pdf>

<https://apps.dtic.mil/sti/pdfs/AD0634945.pdf>

<https://apps.dtic.mil/sti/pdfs/AD0648006.pdf>

<http://dansdata.com/tmdfan.htm>

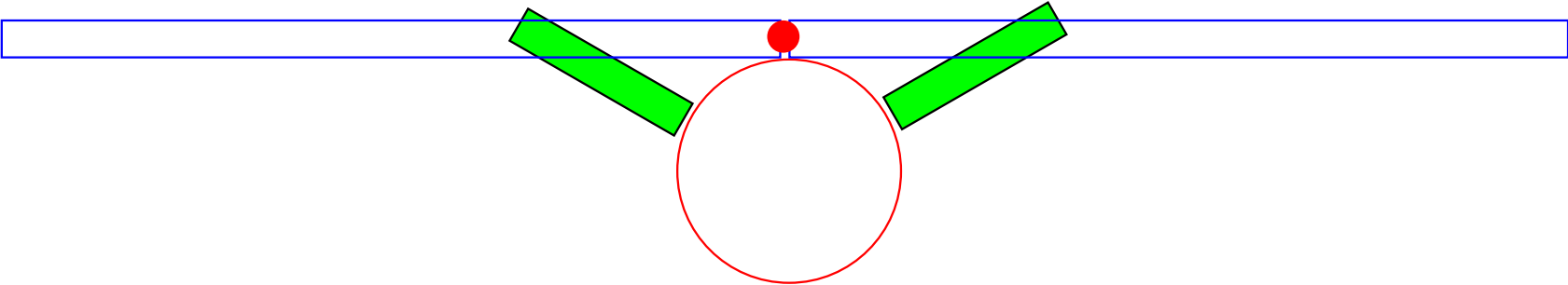
[https://www.youtube.com/watch?v=\\_ZMpAbgLyJk&list=RDCMUCUXW4gT27TOaDzKFyN-1tXQ&start\\_radio=1&rv=\\_ZMpAbgLyJk&t=120](https://www.youtube.com/watch?v=_ZMpAbgLyJk&list=RDCMUCUXW4gT27TOaDzKFyN-1tXQ&start_radio=1&rv=_ZMpAbgLyJk&t=120)



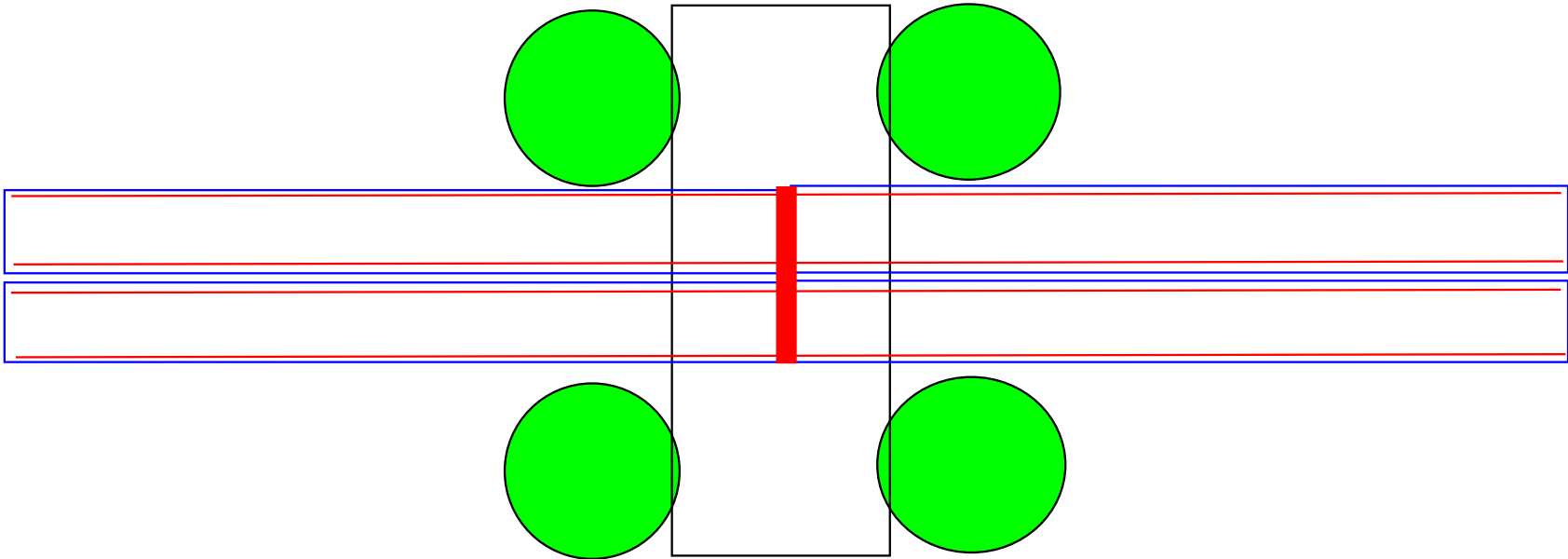
**WINGS**

- WRAPPING DRAGONFLY WINGS, NATURALLY OPEN FROM FIBERGLASS ROD/ANTENNAE, WOUND AROUND CENTER.
- APPROXIMATELY 10" LENGTH EACH, 4 WINGS TOTAL. NATURAL POSITION IS EXTENDED.
- FISHLINE AT EDGE WITHIN PLASTIC TUBE & PLASTIC WING FOR REELING CLOSED
  - QUICK RELEASE (SNAP OPEN)
  - OVERLAP WHEN FOLDED
- SMALL MOTOR AT CENTER TO REEL CLOSED

**FRONT**



**TOP**



MEASUREMENT, "GROUND TRUTH" (LARGE SITE SEQUENCING & COORDINATION - CIVIL AND HEAVY COMMERCIAL CONSTRUCTION.) TO BE USED WITH A 4K FPS CAMERA AND AN EXISTING LENS - OLD NIKON OR CANON (BECAUSE COMMON)

**FOCUSED USE CASE - MICROFARMING DRONE (IT'S SLOW, IT'S A TURTLE - MAKE A BUNCH AND TAKE HALF):**

- CLEAR/GRUB, LEVEL, SIFT, PLANT, PLUG, AND TARGET FERTILIZE 100SF WITH A SINGLE DRONE THE SIZE OF A DINNER PLATE. START WITH FERTILIZING SEED.
- EXPAND TO TEN 100SF PLOTS.
- LAY PIPE WITH THE SAME DRONE FOR SPRINKLING
- REMOVE PIPE
- PICK: GRABBER HAND, CUTTER, DROPPED INTO A BIN.

SMALLER DRONES (THIS SIZE SEEMS RIGHT) ARE REQUIRED FOR:

- POWER MANAGEMENT (SWAPPING SMALLER POWER PACKS)
- LOWER PURCHASE COST
- MACHINES WORKING IN SMALLER AREAS (BACKYARDS)
- TIGHTER ROWS?
- TIGHTER TARGETED PESTICIDE/FERTILIZING
- MORE MACHINES WORKING SIMULTANEOUSLY

ALTERNATE USES:

- SECURITY / COMMUNICATION / HERDING
- MAPPING (DAILY AERIAL PHOTO UPDATES)
- ROOF / SOLAR WASHING
- SMALL SIZE TRANSPORT/DELIVERY
- FLOOR CLEANING

! (ADD A DIFFERENT 12OZ CAN PAYLOAD FOR A NEW USE CASE)

**VEHICLE / TOY SPECIFICATION:**

- PRICE: UNDER \$200 AT UNDER 12"x12"x12"
- ASSEMBLES TO FIT INSIDE A 12"x12"x12" BOX, OR SMALLER
- SHIPPABLE WITHIN STANDARD 12OZ CANS
- CARRIES AT LEAST ONE 12OZ CAN FULL OF WATER
- 2.5" DIAMETER CYLINDER FUSELAGE WITH LOCKING RINGS AT ENDS FOR ADDITIONAL SECTIONS
- FLYING, ROLLING, SUBMERSIBLE (WHEEL + TANK TREADS, PLANE + HOVER FLIGHT) - SEAMLESS TRANSITION BETWEEN MODES OF TRAVEL (NO HUMAN INTERACTION BEYOND A BUTTON PRESS)
- FLIES / DRIVES INDOORS AND OUTDOORS
- REMOTE CONTROL OR AUTONOMOUS
- CAN INCREASE IN SIZE TO HUMAN DIMENSIONS
- 20 MINUTES TO 1 HOUR OF FLIGHT TIME
- 100% REFUEL IN UNDER 10 MINUTES
- **MULTIPLE FUEL TYPES: COMBUSTION, ELECTRICITY, ETC.**
- CONTROLLABLE BY ANY BLUETOOTH, WIFI, OR USB CONTROLLER AT A RANGE OF AT LEAST 1000 FT
- ABLE TO DRIVE, FLY, OR SWIM A GRIDDED AREA AT A CHOSEN ELEVATION
- NO BIG TECH PARTS OR SUPPORT: MICROSOFT, AMAZON, GOOGLE, APPLE
- MADE 100% IN THE USA

**SCALING UP:**

- OPTION TO ADD DRILLING CAPABILITIES
- OPTION FOR HUMAN DRIVEN PROPULSION WHILE IN WATER AND ON LAND WHEN ENLARGED
- SUPPORTS AT LEAST 300 POUNDS WHEN ENLARGED FOR A HUMAN - IN GROUND OR FLIGHT MODE
- OPTION TO AUTOMATE

**INITIAL PROPOSAL:**

- FUSELAGE: 12OZ CAN BODY
- CONNECTION BETWEEN SECTIONS, ENGINE, AND WINGS: CAMERA LENS MOUNT AT EITHER END OF CYLINDERS, SMALLER VERSION AT WINGS / MOTORS
- RIM DRIVEN FAN WITH INVERTED RELUCTANCE ELECTRIC MOTORS AND HYDRAULIC OR AIR PRESSURE TURBINE AT CIRCUMFERENCE PLUS TIRE (2.5" DIAMETER UP TO STANDARD BICYCLE TIRE SIZE), POWERED BY LIPO AA'S AND A HEATED GAS CYLINDER.

**DUAL FUEL RIM DRIVEN MOTOR FAN SANDWICHES:**

**HOUSING AND BEARINGS:**

- TOP RING: REMOVABLE RING/PLATE (FIXED)
- BEARING TRACKS 3+3: LUBRICATION HOLES AS NEEDED, 2: ROLLER BEARING TRACKS, 2 PERIMETER FAN TRACKS, 2: BALL BEARING TRACKS (MATCH SIZE), POINT OF CONNECTION TO FUSELAGE, STATOR WIRING PLATES,
- PROPULSION: STATOR WIRING / WRAPS
- SUPPLY LINES & STRUCTURE: FUSELAGE POINT OF CONNECTION AND CROSS AIR FLOW CONNECTION AT 0 DEGREES, AIRFLOW ROUTED IN OPPOSING DIRECTIONS TO TWO TRACKS (TRACK 2 AND TRACK 5)
- BOTTOM (FULL CAP): LOUVERED CAP (FIXED POSITION BLADES) - DIRECT AIRFLOW EVENLY FROM PROP & EXHAUST

**A (CLOCKWISE):**

- PROPULSION: RING W/ ROTOR FAN, AND PROPELLER ATTACHMENT (IRON)
- PROP: REMOVABLE PROPELLER (IRON OR COMPOSITE)
- PROP: REMOVABLE PROPELLER CENTER (TOP AND BOTTOM PARTS)
- TIRE: REMOVABLE RING RUBBER
- TIRE: REMOVABLE RING COG/GEAR

**B (COUNTERCLOCKWISE):**

- PROPULSION: RING W/ ROTOR FAN, AND PROPELLER ATTACHMENT (IRON)
- PROP: REMOVABLE PROPELLER (IRON OR COMPOSITE)
- PROP: REMOVABLE PROPELLER CENTER (TOP AND BOTTOM PARTS)
- TIRE: REMOVABLE RING RUBBER
- TIRE: REMOVABLE RING COG/GEAR

**ELECTRONICS:**

- ELECTRONIC SPEED CONTROLLER
- AUTOPILOT MODULE (SPEED MANAGEMENT)
- POWER TOOL BATTERY (MILWAUKEE M18)



**LIST OF PARTS:**

- A. 4: 2.5" PROPS WITH PERMANENT MAGNETS AT OUTER RING FOR RELUCTANCE MOTOR STATOR/MOTOR HOUSING
- B. 4: ELECTRIC REUCTANCE MOTORS MATCHED TO 2.5" PROP WITH MAGNETS
- C. 1: APM W/ GPS SUPPORT
- D. 1: POWER DISTRIBUTION: AA'S
- E. 1: COMPANION COMPUTER (PERSONAL COMPUTER): USB-C, WINDOWS, PI, LINUX
- F. 1: GPS WITH RTK
- H. 4: SMALL TIRES - MADE FROM CRIMPING BIKE TIRES - EMBEDDED WIRE AT OUTSIDE, RUBBER TO MOTOR HOUSING.
- I. 4: DRAGONFLY WINGS, GLIDE ONLY (WON'T WORK AT SPEED DUE TO BENDING)
- J. 1: WING HOUSING
- K. 2: TIE RODS
- L. 1: AUTOPILOT MODULE AT CAP
- M. 1: RADIO CHIP: TRANSMIT (AT AUTOPILOT MODULE)
- N. 1: RADIO CHIP: RECEIVE (AT COMPUTER) - SECOND CHIP NEEDED IF USED WITH SEPARATE LAPTOP TO ALLOW COMPANION COMPUTER TO FLY WITH. OTHERWISE - GPS FLIGHT ONLY, OR NO COMPANION COMPUTER.
- O. 1: RADIO ANTENNAES (UHF, VHF, WIFI, 2.4, ETC)
- P. 1: SMALL CAMERA
- Q. 1: LIDAR RANGE FINDER

**3D PRINT:**

- A. 4: DUCTED FAN HOUSING (START WITH) - SWITCH TO RELUCTANCE MOTOR, MAY NOT FLY WITH CURRENT BRUSHLESS ELECTRIC MOTORS AT 2.5" DUCTED FAN SIZE BECAUSE OF INNER MOTOR DIAMETER OR WILL REQUIRE EXPOSED BLADES WHICH ELIMINATES INDOOR USE CASES.
- B. 2: ESC PUCKS FOR FAN HOUSING ATTACHMENT.
- C. 1: CYLINDER HOUSING
- D. 4: EXTERNAL FAN HOUSING MOUNTS (2 POSITIONS FOR EACH FAN 90 DEGREE TURNS.)
- E. 1: COMPANION COMPUTER TRAY
- F. 1: SPEAKER BOX
- G. 1: LIGHT END CAP
- H. 1: BATTERY TRAY
- I. 2: VELCRO STRAPS
- J. 1: CAN SLEEVE
- K. 2: TIE RODS (HOLD CAPS ON)
- L. 1: RADIO END CAP

**FIRMWARE:**

- A. COPTER
- B. CAR
- C. SUB



## **RESEARCH AND DEVELOPMENT:**

1. THIS AIRFRAME WILL LIKELY FLY AS-DESIGNED. HOWEVER, AIRFLOW IS HEAVILY RESTRICTED BY BRUSHLESS ELECTRIC MOTOR PLACEMENT. REPLACING THESE MOTORS WITH ULTRA-MODERN RELUCTANCE MOTORS WILL LIKELY MAKE THIS AIRFRAME FASTER, MORE EFFICIENT, QUIETER, EASIER TO MAINTAIN, WITH HIGHER AIR/WATER VOLUME EXPOSED FOR MOVEMENT. THESE MOTORS MAY ALSO BE SALT WATER CAPABLE AND DUCTED PROPS WHICH HAVE THE SAME IMPROVEMENTS.
2. RELUCTANCE MOTORS ARE EXPECTED TO BE USEFUL FOR BOTH AIR AND SEA WITH BETTER: TORQUE, POWER, AUDIO VOLUME (MOTOR INSIDE HULL), EASE OF MAINTENANCE, VOLUME OF AIR/WATER MOVED (NO ROTOR/MOTOR AT CENTER), INTEGRATED RUDDER/WING, PROP/TIRE/MAGNET COMBINATION.
3. A 2.5" DIAMETER RELUCTANCE MOTOR ALLOWS FOR A ~2" PROP ON A 8" PEANUT BUTTER JAR RC COPTER/SUB/CAR/GLIDER CALLED: THE CRUNCHY TURTLE (AS PREVIOUSLY DETAILED.) COLLAPSIBLE INTO ONE 12 OZ SODA CAN, AND A SIMILARLY SIZED PEANUT BUTTER JAR.
4. THE DESIGNER LOCATED AT 9937 PROSPECT AVE - BACK LOT WORKS ON SNAP-ON KAYAK MOTOR ATTACHMENTS AND HAS A AT MILWAUKEE. HE HAS ALSO SHOWN AN INTEREST IN RELUCTANCE MOTOR DESIGN, AND WORKS ON SANTEE AIRPORT AIRCRAFT. ALL OF WHICH ARE RELATED TO RELUCTANCE MOTOR DEVELOPMENT. THAT LOCATION ALSO HAS A VARIETY OF RELATED BUSINESSES THAT ARE ALREADY PURSUING SOMETHING SIMILAR.
5. THIS RESEARCH ARTICLE FROM CANADA COVERS RELUCTANCE MOTORS: <https://www.mdpi.com/2075-1702/11/3/362/htm>

## **ADVANTAGES:**

0. OPERATES INDOOR AND OUTDOOR DUE TO FAN SHROUDS (WILL NOT CRASH IMMEDIATELY WHEN HITTING WALLS)
1. DOUBLE SEALED ENCLOSURE FOR UNDERWATER USE.
2. CONNECTION OF STANDARD CAMERA LENSES AT END OVER A SMALLER LIGHT SENSOR OR MICRO CAMERA (LIGHTS AROUND.)
3. COLLAPSES INTO ONE PEANUT BUTTER CAN AND ONE 12OZ SODA CAN
4. PROPS/MOTOR ARE THE ONLY MOVING PARTS (4 MOTORS.)
5. 30 DEGREE FAN DESIGN ALLOWS TIRES TO BE INSTALLED AT EXTERIOR OF FAN HOUSING AT LIP OF ENGINE, MAKING IT INTO A HIGH CAMBER VEHICLE.
6. COPTER MODE (FLIP TOP TO BOTTOM 180) TO ALLOW FOR EITHER A HIGHLY STABLE OR HIGHLY UNSTABLE MANEUVERABILITY MODE DUE TO ENGINE ORIENTATION.
7. HIGH FANS ALLOW FOR TAKEOFF FROM WATER.
8. FLIP WITH FANS IF ROLLED ONTO BACK WHILE DRIVING.
9. SECONDARY CANISTER CAN BE PACKED WITH SMALL SUPPLIES - SURVIVAL, MEDICAL, INSTRUMENTATION, ADDITIONAL HIGH-DENSITY ENERGY, OR SMALL WRAPPED SOLAR PANEL.
10. POWERED BY AA'S.
11. RUN BY STANDARD CHIPSETS - CREDIT CARD BOARD WITH AUTOPILOT HAT.
12. RADIOS AT TAIL.
13. SWAPPABLE COMPONENTS THROUGH CAMERA MOUNT BETWEEN SECTIONS THAT RE-ATTACH INTO A SINGLE CAN .

## **ORIENTATION FEATURES:**

1. ORIENT UP IN WATER
2. ORIENT UP IN AIR - STABLE
3. ORIENT DOWN IN AIR - AGILE
4. 45 DEGREE FLIGHT GRID (LIDAR RANGE FINDER BELOW TREES)

#### RESEARCH AND DEVELOPMENT:

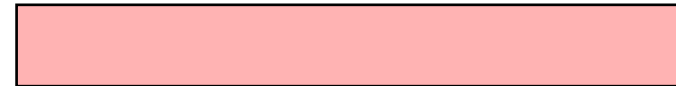
1. THIS AIRFRAME WILL LIKELY FLY AS-DESIGNED. HOWEVER, AIRFLOW IS HEAVILY RESTRICTED BY BRUSHLESS ELECTRIC MOTOR PLACEMENT. REPLACING THESE MOTORS WITH ULTRA-MODERN RELUCTANCE MOTORS WILL LIKELY MAKE THIS AIRFRAME FASTER, MORE EFFICIENT, QUIETER, EASIER TO MAINTAIN, WITH HIGHER AIR/WATER VOLUME EXPOSED FOR MOVEMENT. THESE MOTORS MAY ALSO BE SALT WATER CAPABLE AND DUCTED PROPS WHICH HAVE THE SAME IMPROVEMENTS.
2. RELUCTANCE MOTORS ARE EXPECTED TO BE USEFUL FOR BOTH AIR AND SEA WITH BETTER: TORQUE, POWER, AUDIO VOLUME (MOTOR INSIDE HULL), EASE OF MAINTENANCE, VOLUME OF AIR/WATER MOVED (NO ROTOR/MOTOR AT CENTER), INTEGRATED RUDDER/WING, PROP/TIRE/MAGNET COMBINATION.
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1. ORIENT UP IN WATER
2. ORIENT UP IN AIR - STABLE
3. ORIENT DOWN IN AIR - AGILE
4. 45 DEGREE FLIGHT GRID (LIDAR RANGE FINDER BELOW TREES)



DON'T REINVENT THE WHEEL - USE STANDARD BICYCLE TIRES

AND NEWER PRODUCTS / INVENTIONS:

~~THE AXLE~~ - 2 AXIS ARMATURE (DONE ALREADY)- MARS EXPLORER & SUPERBOTS.

NEEDS A SHORTER ARMATURE

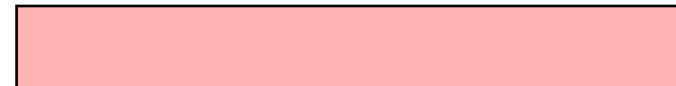
NEEDS ELECTRIC MOTOR SUSPENSION (MOTOR RESPONDS TO TERRAIN)

~~THE BRUSHLESS ELECTRIC MOTOR~~ - INHUB INVERTED RELUCTANCE MOTOR (DONE ALREADY) - RIM DRIVEN FANS FOR FLYING.

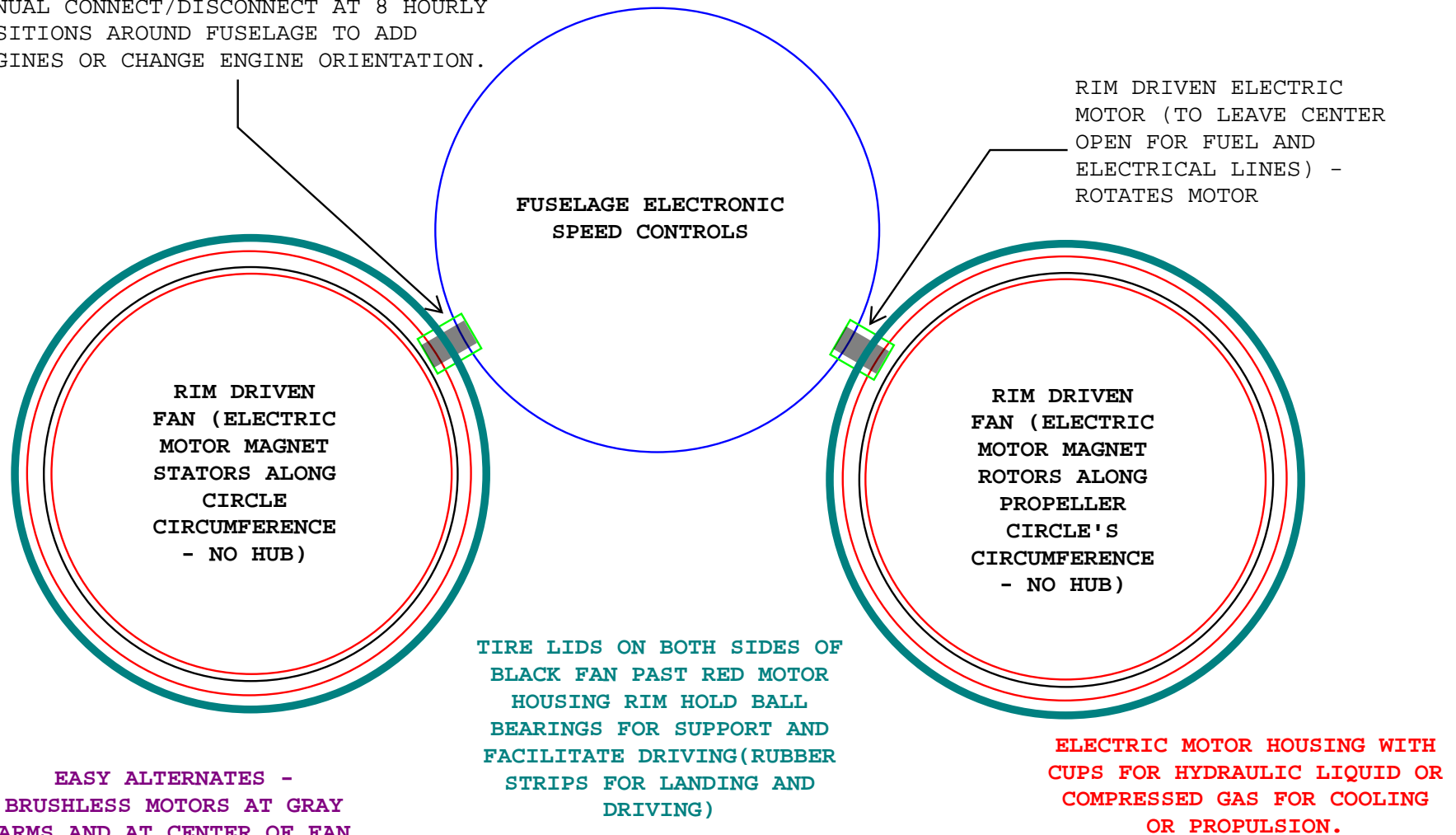
NEEDS A HIGHER RPM

~~BELT OR CHAIN PEDAL DRIVE~~-- FRICTION DRIVE / RIM FAN GEAR (DONE ALREADY) - MOPED FRICTION DRIVE.

NEEDS TO REMAIN LIGHT WEIGHT (NO HEAVY GEARS)



ROTATION AT ARM JOINT - SLEEVE WITHIN  
SLEEVE FOR STRUCTURAL SUPPORT WITH  
EITHER ELECTRIC MOTOR AT CIRCUMFERENCE  
OR STANDARD BRUSHLESS MOTOR AT CENTER,  
OFFSET ARM TO EDGE OF RIM DRIVEN FAN  
TO ALIGN COMPRESSED GAS / HYDRAULIC  
FLUID WITH ROTATION OF FAN/TIRE.  
MANUAL CONNECT/DISCONNECT AT 8 HOURLY  
POSITIONS AROUND FUSELAGE TO ADD  
ENGINES OR CHANGE ENGINE ORIENTATION.



EASY ALTERNATES -  
BRUSHLESS MOTORS AT GRAY  
ARMS AND AT CENTER OF FAN  
AS STANDARD "DUCTED FAN"



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SHEET NUMBER:

**U.F.O. KIT**

**SINGLE PERSON AIR/LAND/SEA VEHICLES**

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SHEET NUMBER:  
D.1 THREE PARKING SPACE CONTAINER BLDG

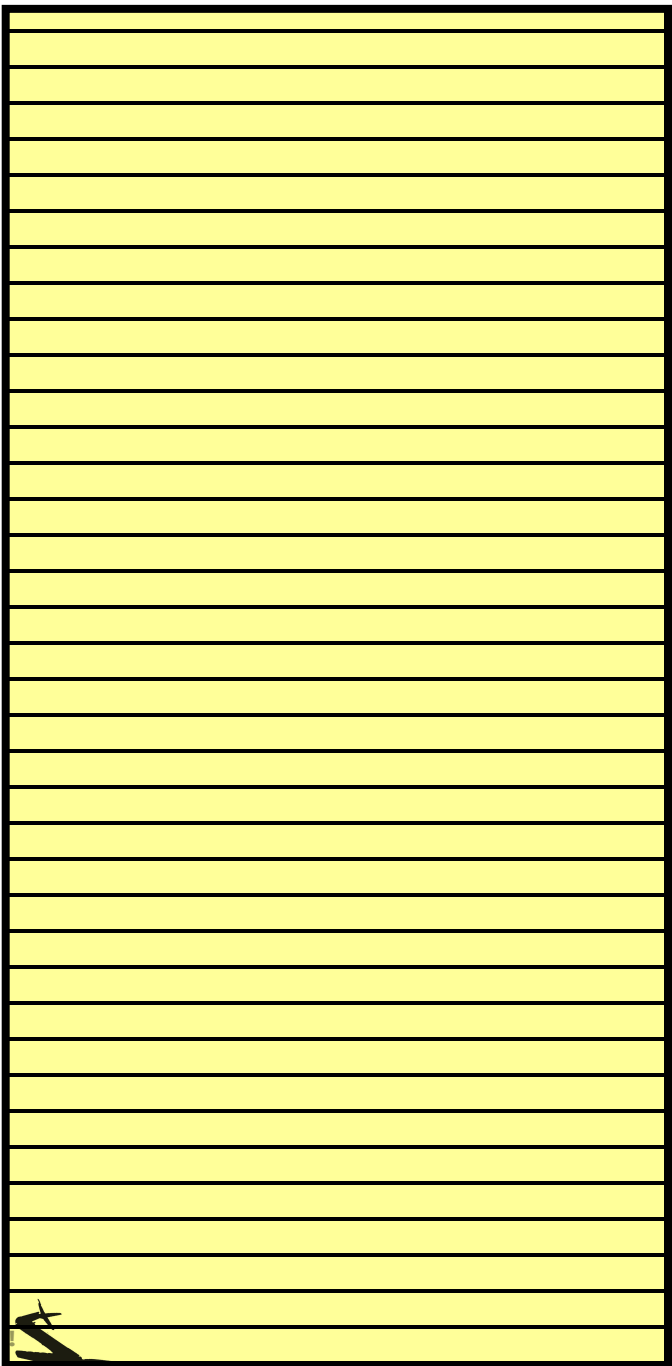
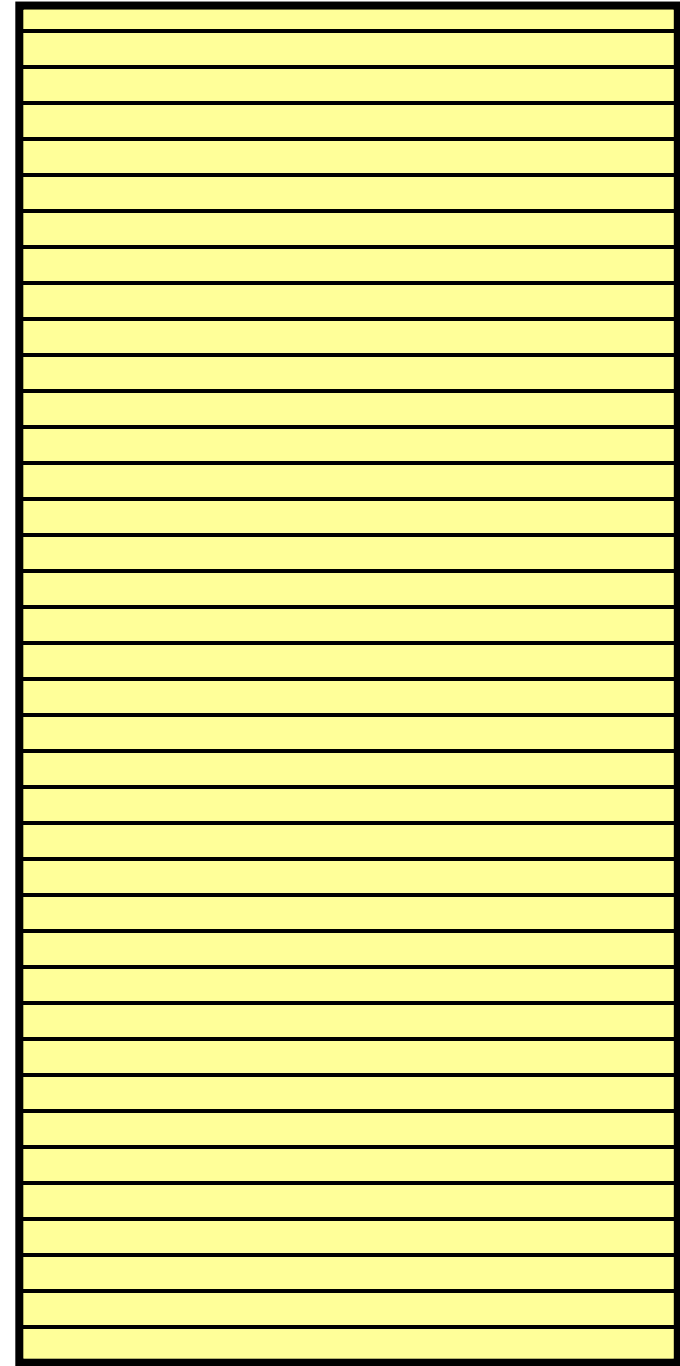
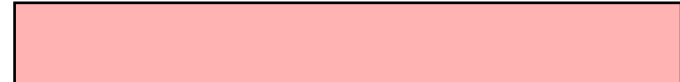
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SHEET NUMBER:  
D.1 THREE PARKING SPACE CONTAINER BLDG

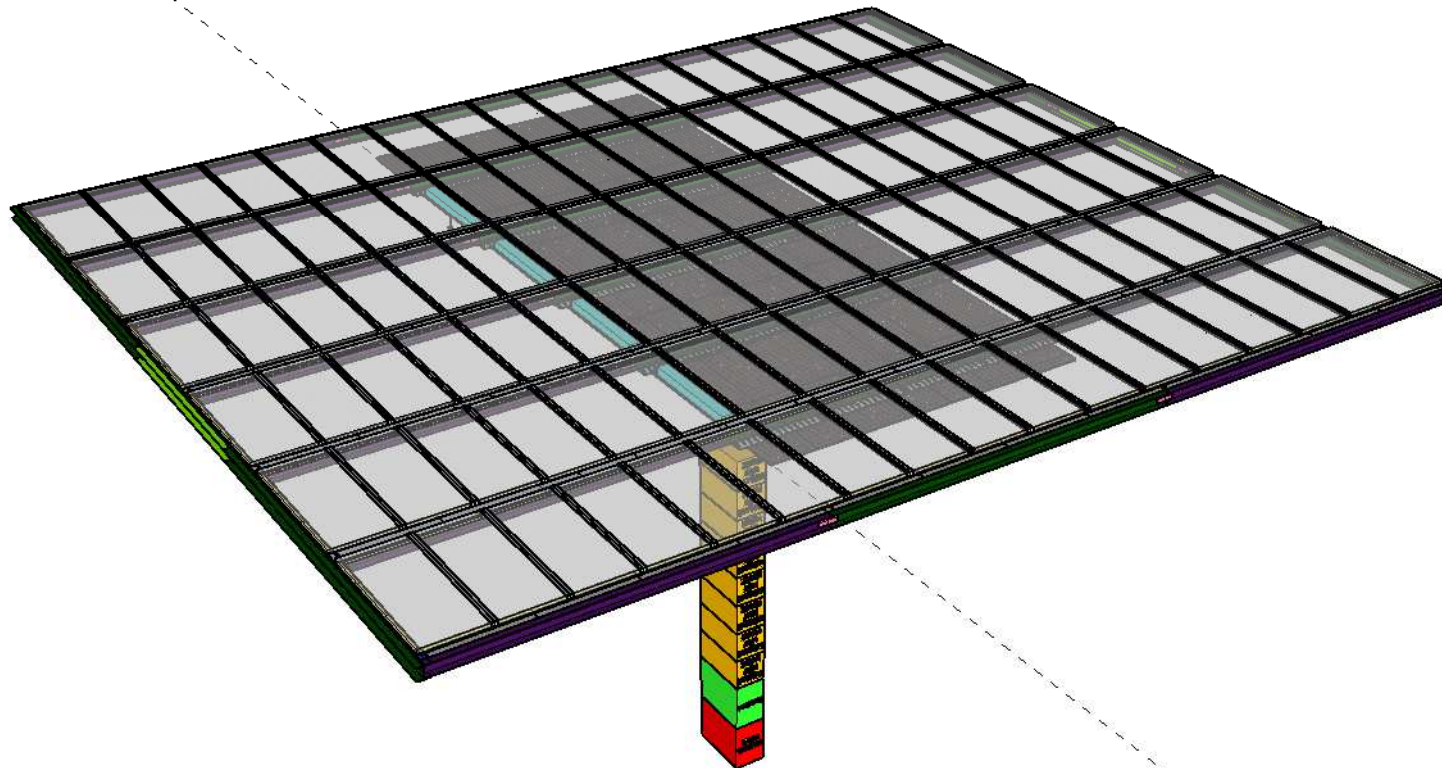
## D.1

## BUILDING KIT

20' SHIPPING CONTAINER BUILDINGS  
(160SF, 320SF, 600SF, 3000SF AND UP.)



\$100 / SF, 40 WATTS / SF, STEEL  
STRUCTURE, DC CEILING,  
INTEGRATED HVAC, INTEGRATED  
FIXTURES



**COMPANY**  
300X3.COM

**ASSOCIATE**  
NONE

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
INTEGRATED ROOF:  
600 SF

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.03

**REVISION HISTORY**  
2023.08.06- REV1  
2023.08.17- REV2

**DESCRIPTION**  
INTEGRATED ROOF:  
STRUCTURE, AIR, DC  
CEILING, LIGHT

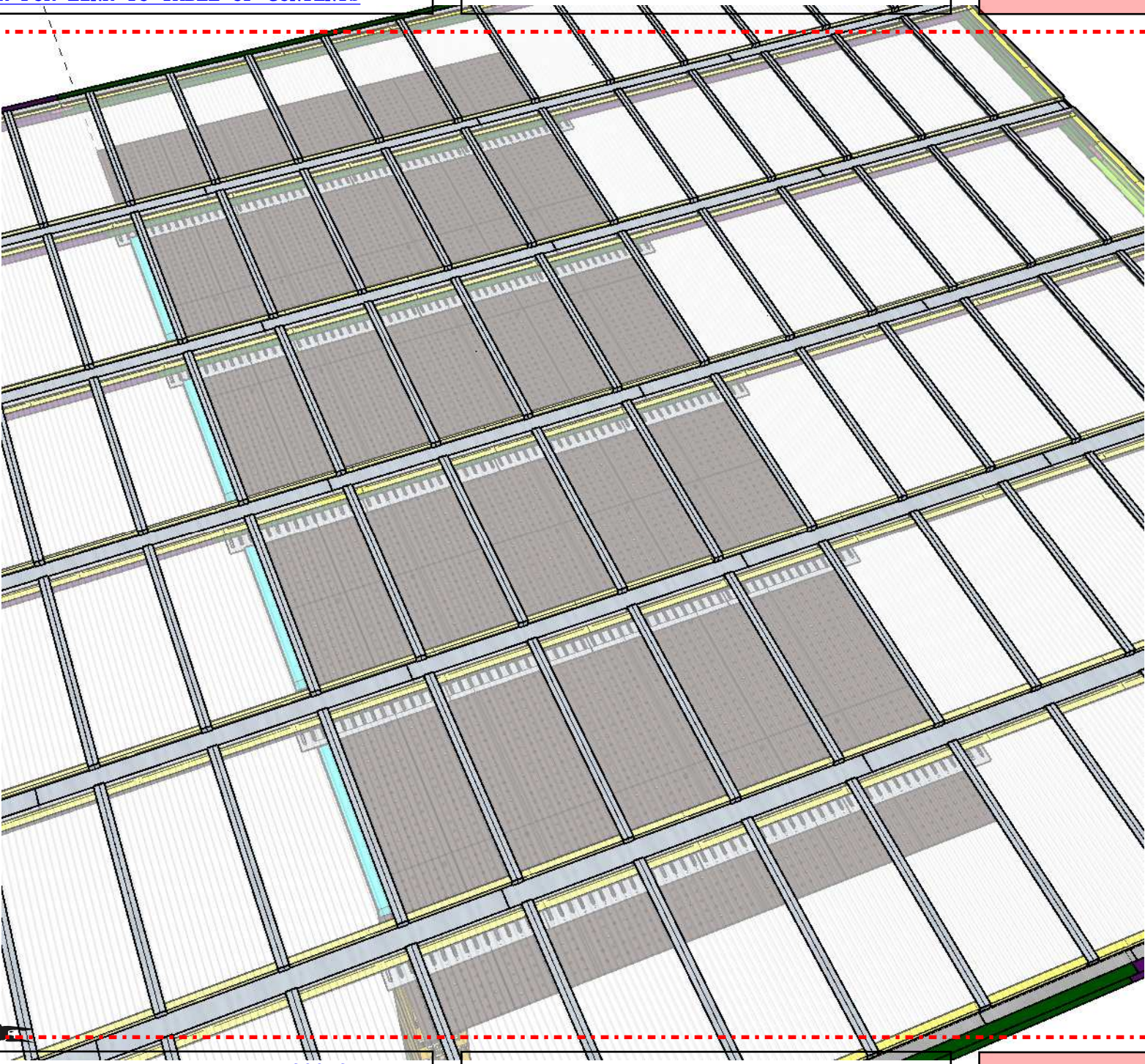
**D1**

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**SHEET NUMBER:**  
**PART:**

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SHEET NUMBER:



**COMPANY**  
300X3.COM

**ASSOCIATE**  
NONE

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
INTEGRATED ROOF:  
600 SF

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.03

**REVISION HISTORY**  
2023.08.06- REV1  
2023.08.17- REV2

**DESCRIPTION**  
3D FROM ABOVE:  
SOLAR

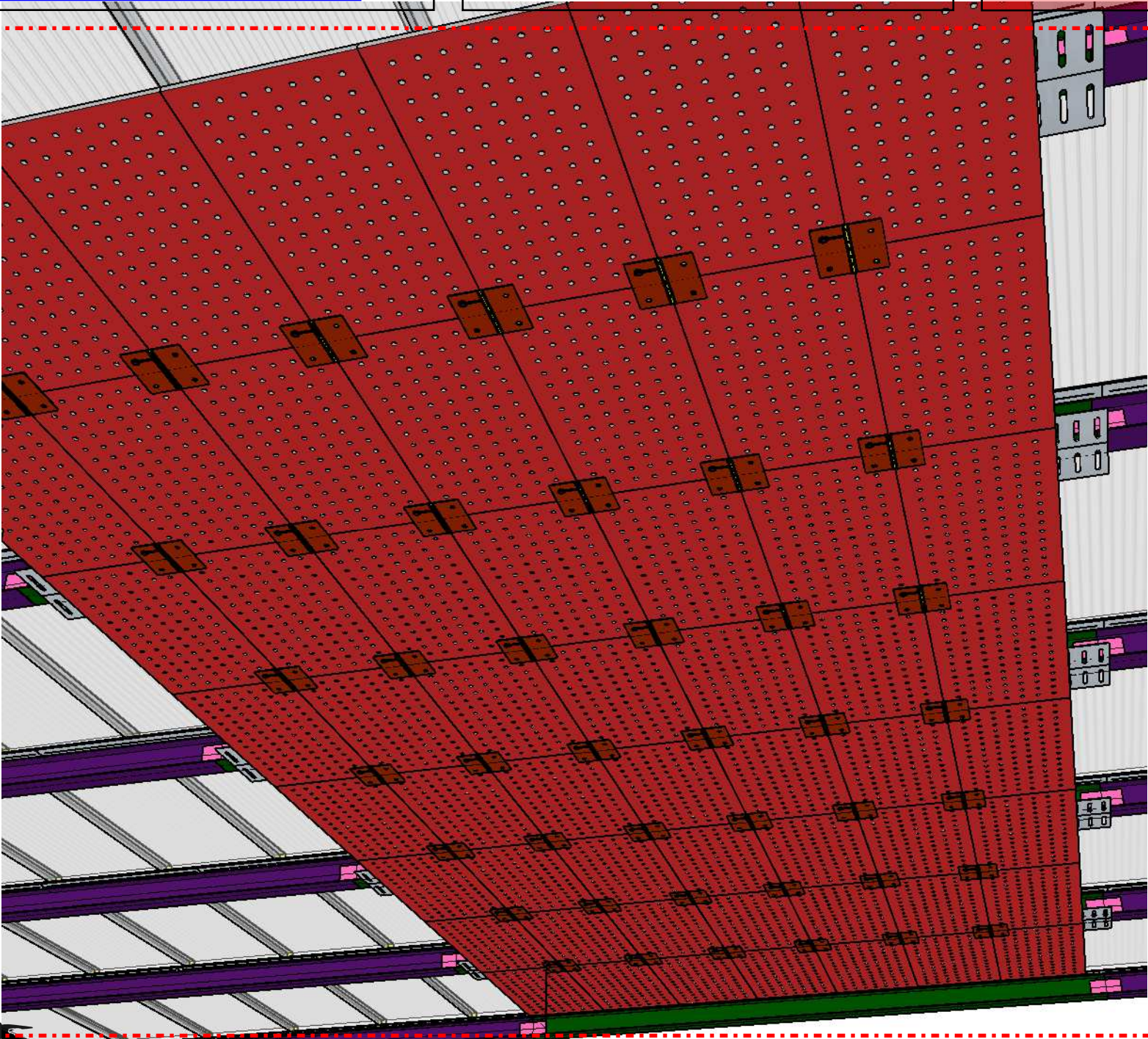
**D2**

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SHEET NUMBER:  
PART:

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[CLICK FOR LINK TO TABLE OF CONTENTS](#)

SHEET NUMBER:



**COMPANY**  
300X3.COM

**ASSOCIATE**  
NONE

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
INTEGRATED ROOF:  
600 SF

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.03

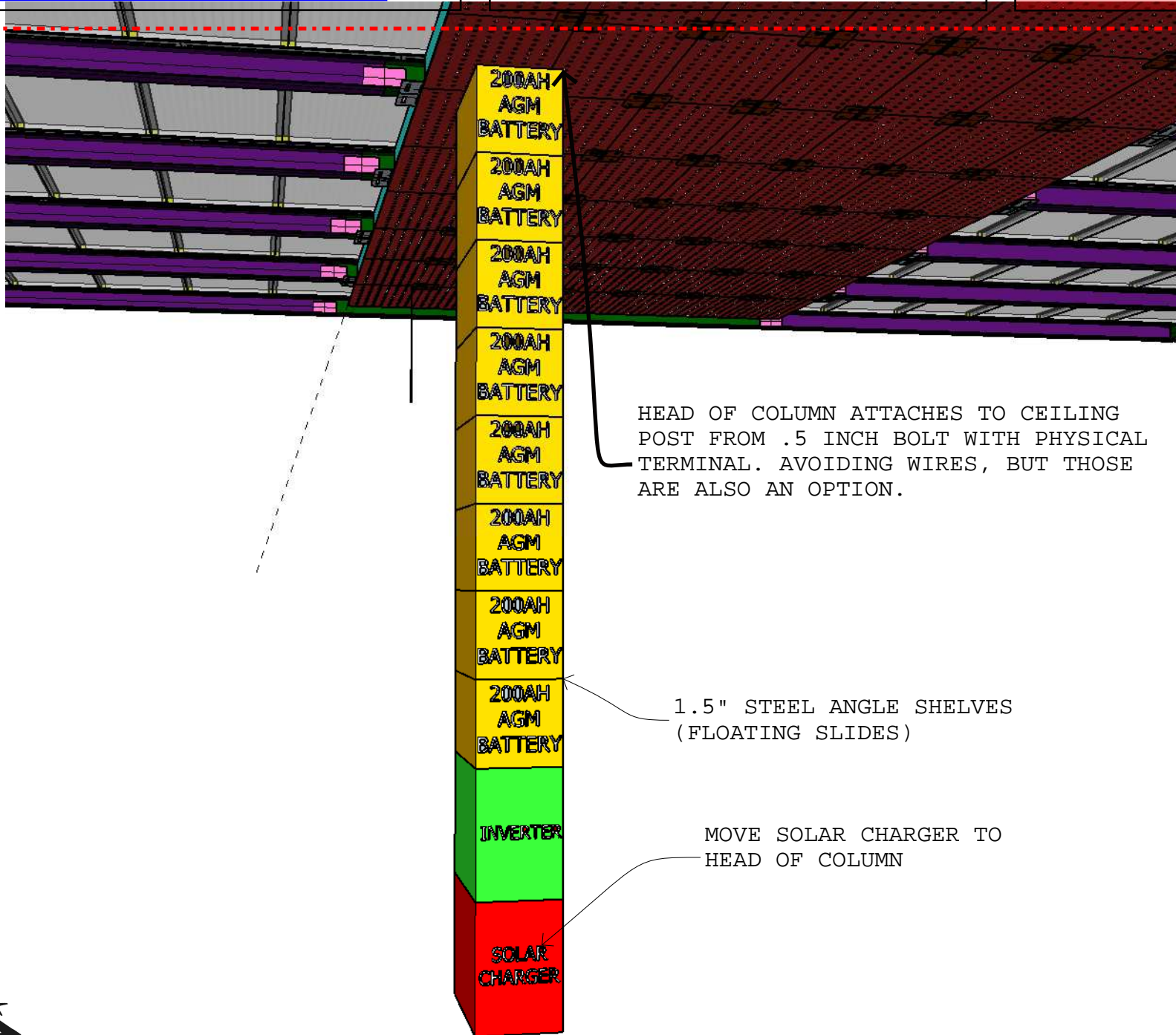
**REVISION HISTORY**  
2023.08.06- REV1  
2023.08.17- REV2

**DESCRIPTION**  
3D FROM BELOW:  
DC CEILING

**D3**

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SHEET NUMBER:  
PART:



**COMPANY**  
300X3.COM

**ASSOCIATE**  
NONE

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
INTEGRATED ROOF:  
600 SF

**DRAWN BY**  
SWW

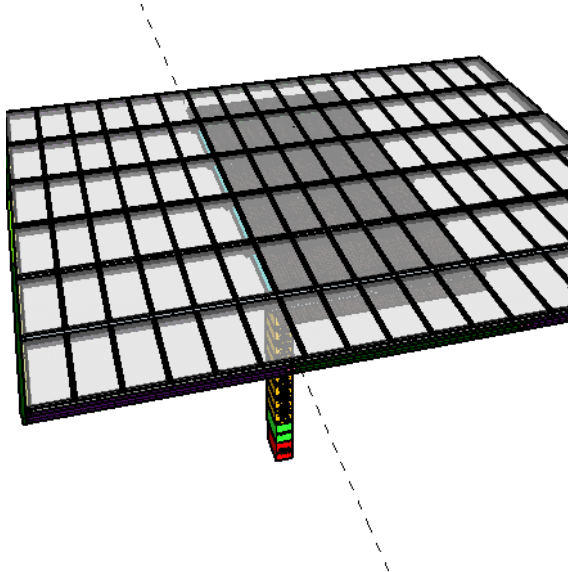
**ORIGINAL ISSUANCE**  
2023.08.03

**REVISION HISTORY**  
2023.08.06- REV1  
2023.08.17- REV2

**DESCRIPTION**  
POWER COLUMN:  
BATTERY, CHARGER,  
INVERTER

**D4**

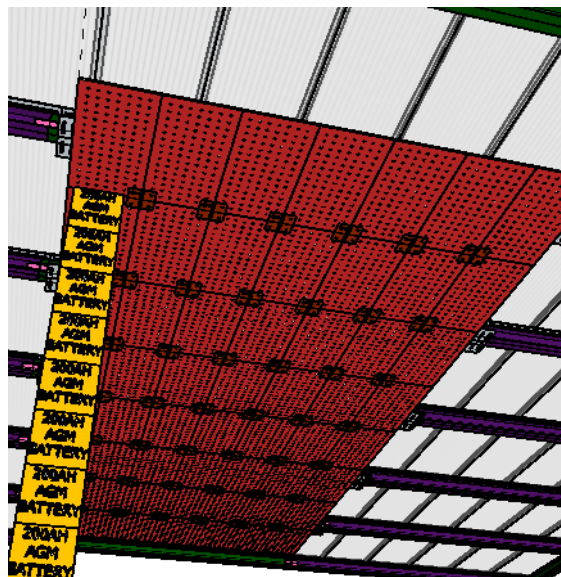
D5.A - ROOF SOLAR PANELS -  
ISOMETRIC



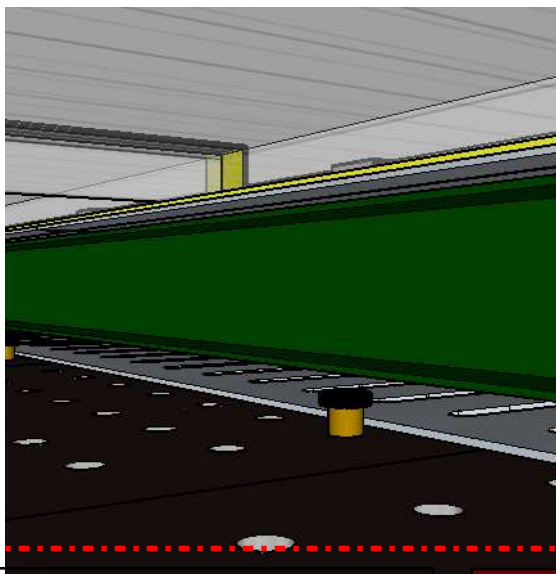
D5.C - BEAM POCKET -  
SECTION FROM PERIMETER



D5.B - CEILING UNDERSIDE -  
ISOMETRIC



D5.D - BEAM POCKET INSIDE -  
ISOMETRIC



COMPANY  
300X3.COM

ASSOCIATE  
NONE

CUSTOMER  
PUBLIC SALE

GROUP  
INTEGRATED ROOF:  
600 SF

DRAWN BY  
SWW

ORIGINAL ISSUANCE  
2023.08.03

REVISION HISTORY  
2023.08.06- REV1  
2023.08.17- REV2

DESCRIPTION  
CEILING AND ROOF  
ASSEMBLY -  
COMPOSITE #5

D5

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SHEET NUMBER:



**COMPANY**  
300X3.COM



**ASSOCIATE**  
NONE

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
INTEGRATED ROOF:  
600 SF

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.03

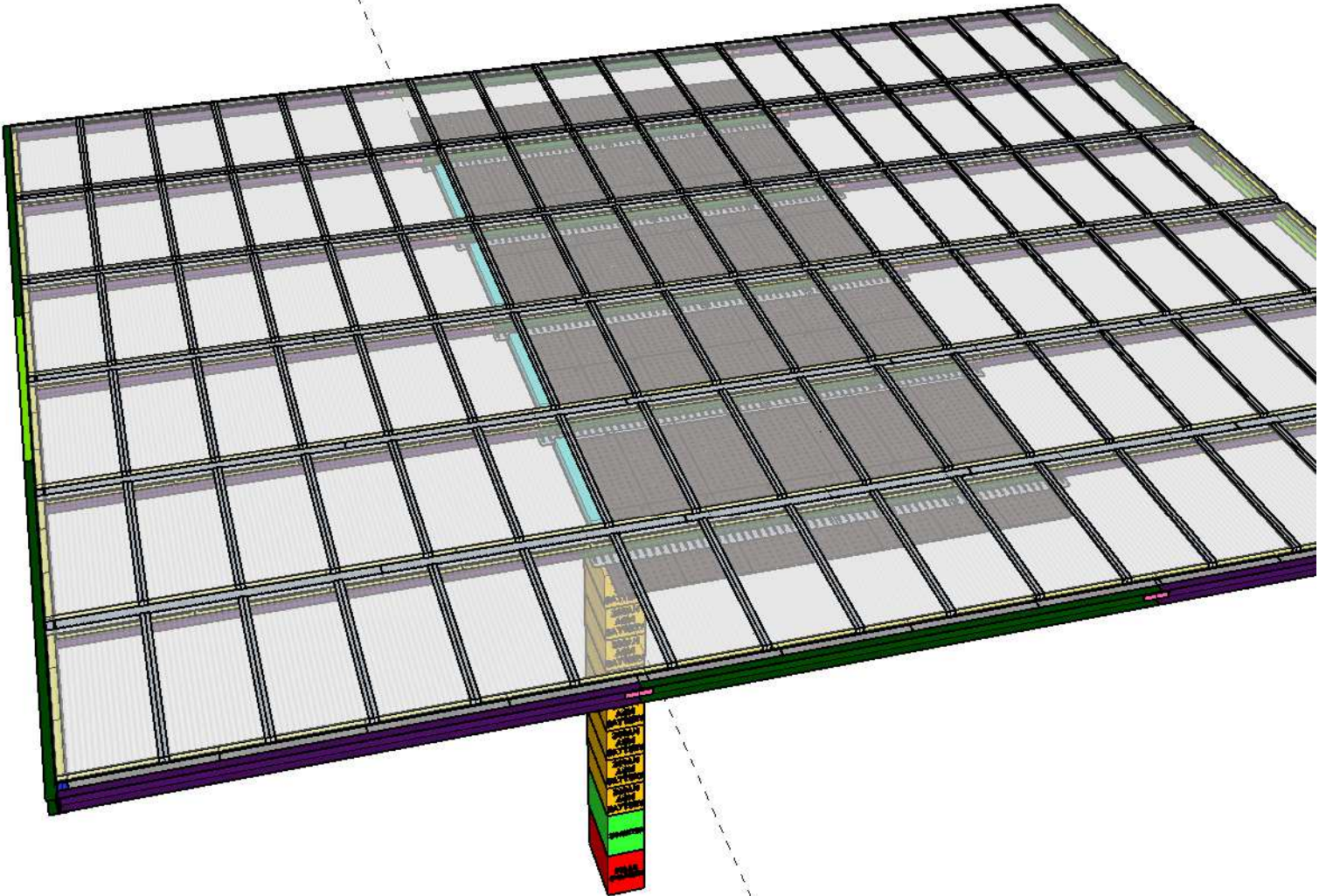
**REVISION HISTORY**  
2023.08.06- REV1  
2023.08.17- REV2

**DESCRIPTION**  
ROOF SOLAR PANELS -  
ISOMETRIC

**D5.A**

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SHEET NUMBER:  
PART:



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SHEET NUMBER:

**COMPANY**  
300X3.COM

**ASSOCIATE**  
NONE

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
INTEGRATED ROOF:  
600 SF

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.03

**REVISION HISTORY**  
2023.08.06- REV1  
2023.08.17- REV2

**DESCRIPTION**  
CEILING UNDERSIDE -  
ISOMETRIC

**D5.B**

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SHEET NUMBER:  
PART:

CEILING PANEL

**COMPANY**  
300X3.COM

**ASSOCIATE**  
NONE

**CUSTOMER**  
PUBLIC SALE

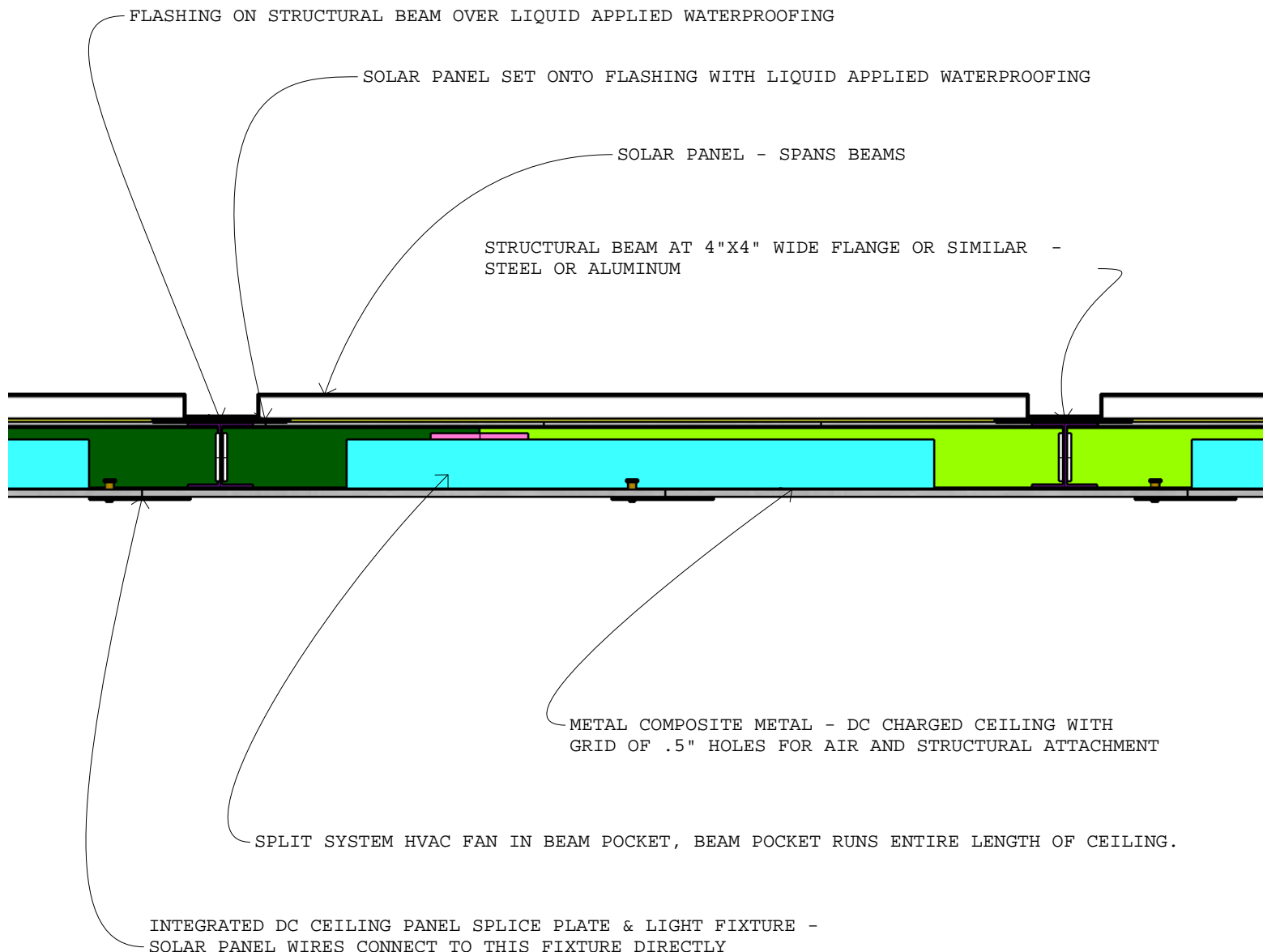
**GROUP**  
INTEGRATED ROOF:  
600 SF

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.03

**REVISION HISTORY**  
2023.08.06- REV1  
2023.08.17- REV2

**DESCRIPTION**  
BEAM POCKET -  
SECTION FROM  
PERIMETER



**D5.C**

COMPANY  
300X3.COM

ASSOCIATE  
NONE

CUSTOMER  
PUBLIC SALE

GROUP  
INTEGRATED ROOF:  
600 SF

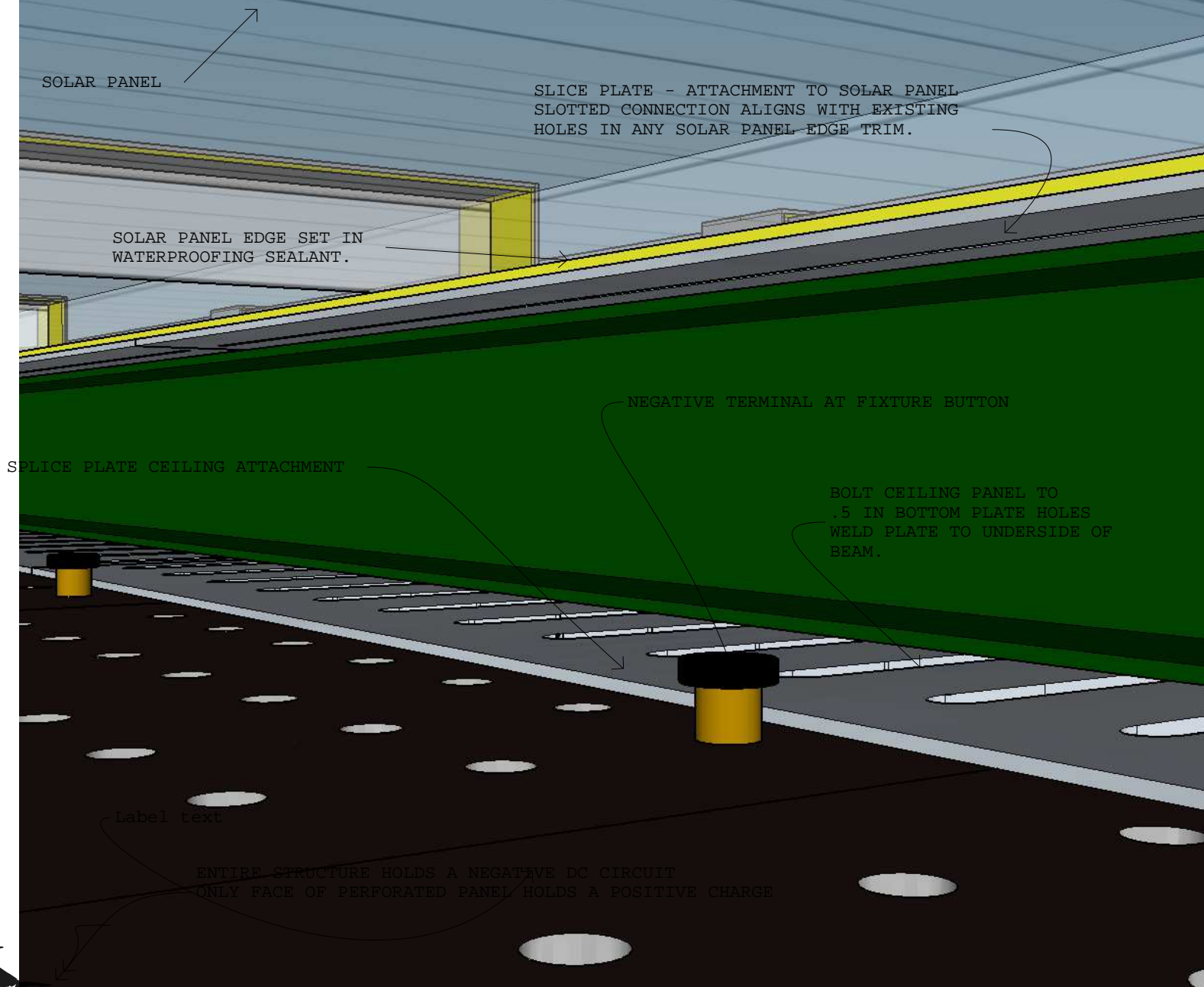
DRAWN BY  
SWW

ORIGINAL ISSUANCE  
2023.08.03

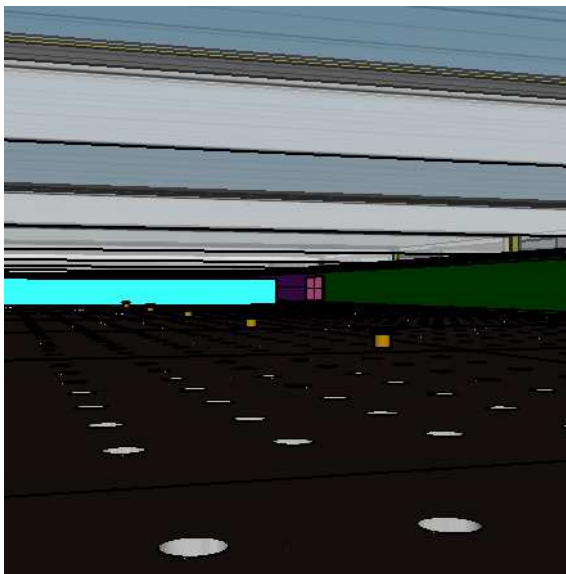
REVISION HISTORY  
2023.08.06- REV1  
2023.08.17- REV2

DESCRIPTION  
BEAM POCKET INSIDE  
- ISOMETRIC

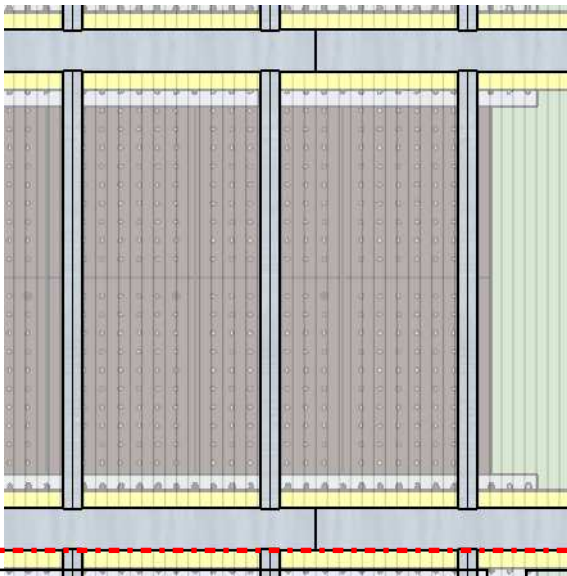
D5.D



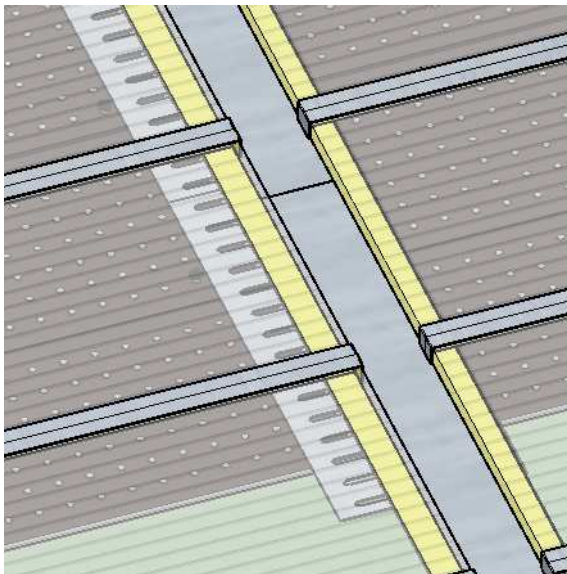
D6.A - BEAM POCKET INSIDE 2  
- ISOMETRIC



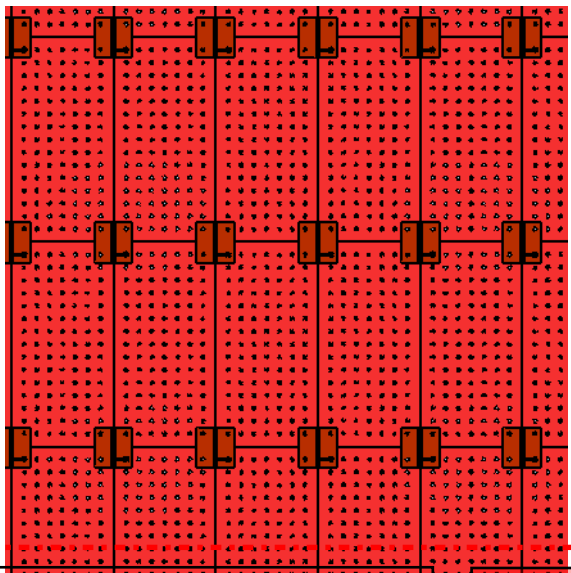
D6.C - BEAM SPLICE PLATE AT  
ROOF PANEL CONNECTIONS -  
PLAN VIEW



D6.B - SLOTTED BEAM SPLICE  
PLATE AT CEILING PANEL  
CONNECTIONS - ISOMETRIC



D6.D - DC PERFORATED PANEL  
- REFLECTED CEILING PLAN



COMPANY  
300X3.COM

ASSOCIATE  
NONE

CUSTOMER  
PUBLIC SALE

GROUP  
INTEGRATED ROOF:  
600 SF

DRAWN BY  
SWW

ORIGINAL ISSUANCE  
2023.08.03

REVISION HISTORY  
2023.08.06- REV1  
2023.08.17- REV2

DESCRIPTION  
CEILING AND ROOF  
ASSEMBLY -  
COMPOSITE #6

D6

COMPANY

300X3.COM

ASSOCIATE

NONE

CUSTOMER

PUBLIC SALE

GROUP

INTEGRATED ROOF:  
600 SF

DRAWN BY

SWW

ORIGINAL ISSUANCE

2023.08.03

REVISION HISTORY

2023.08.06- REV1

2023.08.17- REV2

DESCRIPTION

BEAM POCKET INSIDE  
2 - ISOMETRIC

D6.A

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SHEET NUMBER:

**COMPANY**  
300X3.COM

**ASSOCIATE**  
NONE

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
INTEGRATED ROOF:  
600 SF

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.03

**REVISION HISTORY**  
2023.08.06- REV1  
2023.08.17- REV2

**DESCRIPTION**  
BEAM SPLICE  
PLATE AT CEILING  
PANEL CONNECTIONS

**D6.B**

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SHEET NUMBER:

**PART:**  
CEILING SPLICE PLATE - SIMILAR TO ROOF SPLICE PLATE

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[CLICK FOR LINK TO TABLE OF CONTENTS](#)

SHEET NUMBER:

**COMPANY**

300X3.COM

**ASSOCIATE**

NONE

**CUSTOMER**

PUBLIC SALE

**GROUP**

INTEGRATED ROOF:  
600 SF

**DRAWN BY**

SWW

**ORIGINAL ISSUANCE**

2023.08.03

**REVISION HISTORY**

2023.08.06- REV1

2023.08.17- REV2

**DESCRIPTION**

BEAM SPLICE PLATE  
AT ROOF PANEL  
CONNECTIONS

**D6.C**

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SHEET NUMBER:

PART:

[CLICK FOR LINK TO MAIN SITE: 300X3.COM](#)  
[CLICK FOR LINK TO TABLE OF CONTENTS](#)

SHEET NUMBER:

COMPANY  
300X3.COM

ASSOCIATE  
NONE

CUSTOMER  
PUBLIC SALE

GROUP  
INTEGRATED ROOF:  
600 SF

DRAWN BY  
SWW

ORIGINAL ISSUANCE  
2023.08.03

REVISION HISTORY  
2023.08.06- REV1  
2023.08.17- REV2

DESCRIPTION  
DC PERFORATED PANEL  
- REFLECTED CEILING  
PLAN

D6.D

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[CLICK FOR LINK TO TABLE OF CONTENTS](#)

SHEET NUMBER:  
PART:

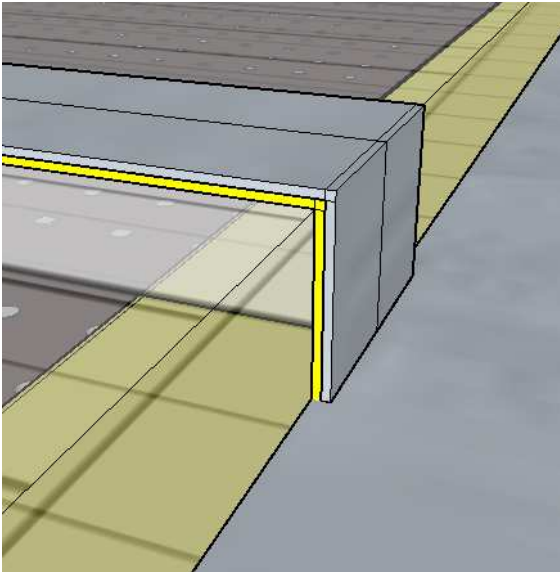
UNDERSIDE OF CEILING (NEGATIVE CHARGE, POSITIVE CHARGE ON TOP OF PANEL.

16IN X 32IN  
ELECTRIFIED  
PERFORATED  
PANEL

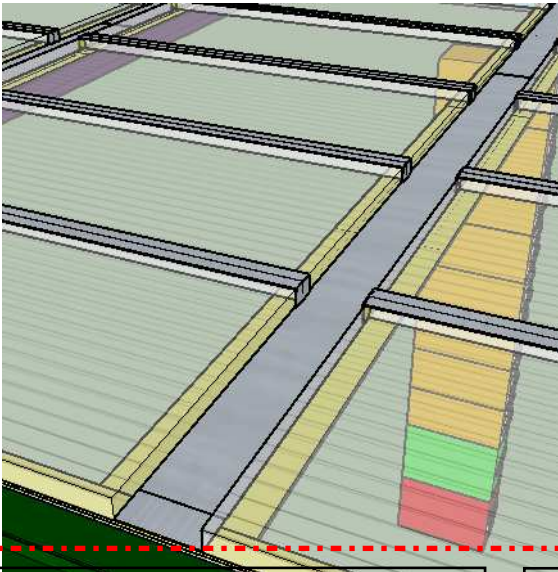
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SHEET NUMBER:

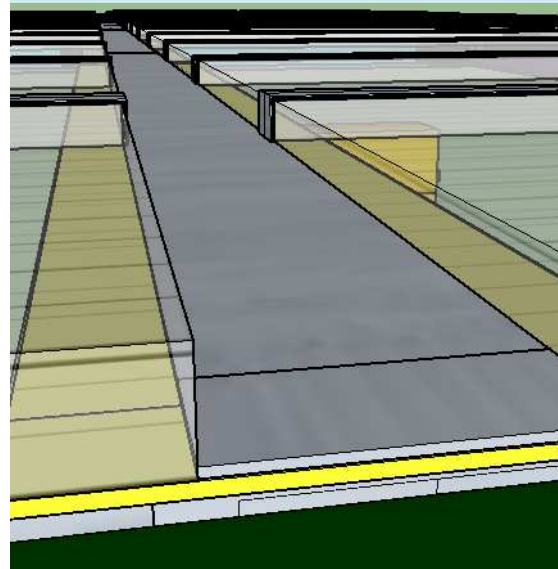
**D7.A - ROOF FLASHING  
TRANSITION, TROUGH  
TO PANEL - ISOMETRIC**



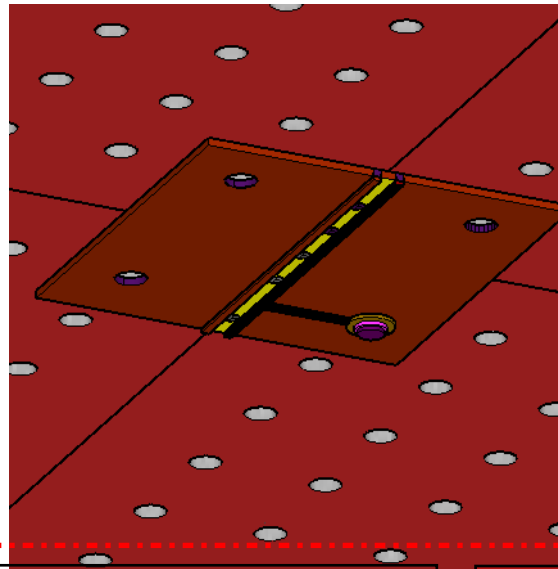
**D7.C - FLASHING, MULTIPLE  
SOLAR PANELS -  
ISOMETRIC**



**D7.B - ROOF FLASHING  
TROUGH SCUPPER - ISOMETRIC**



**D7.D - LIGHT FIXTURE CEILING  
CONNECTION PLATES - ISOMETRIC**



**COMPANY**  
300X3.COM

**ASSOCIATE**  
NONE

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
INTEGRATED ROOF:  
600 SF

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.03

**REVISION HISTORY**  
2023.08.06- REV1  
2023.08.17- REV2

**DESCRIPTION**  
CEILING AND ROOF  
ASSEMBLY -  
COMPOSITE #7

**D7**

[CLICK FOR LINK TO MAIN SITE: 300X3.COM](#)  
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SHEET NUMBER:  
PART:

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[CLICK FOR LINK TO TABLE OF CONTENTS](#)

SHEET NUMBER:

**COMPANY**  
300X3.COM

**ASSOCIATE**  
NONE

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
INTEGRATED ROOF:  
600 SF

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.03

**REVISION HISTORY**  
2023.08.06- REV1  
2023.08.17- REV2

**DESCRIPTION**  
ROOF FLASHING  
TRANSITION, TROUGH  
TO PANEL - ISOMETRIC

**D7.A**

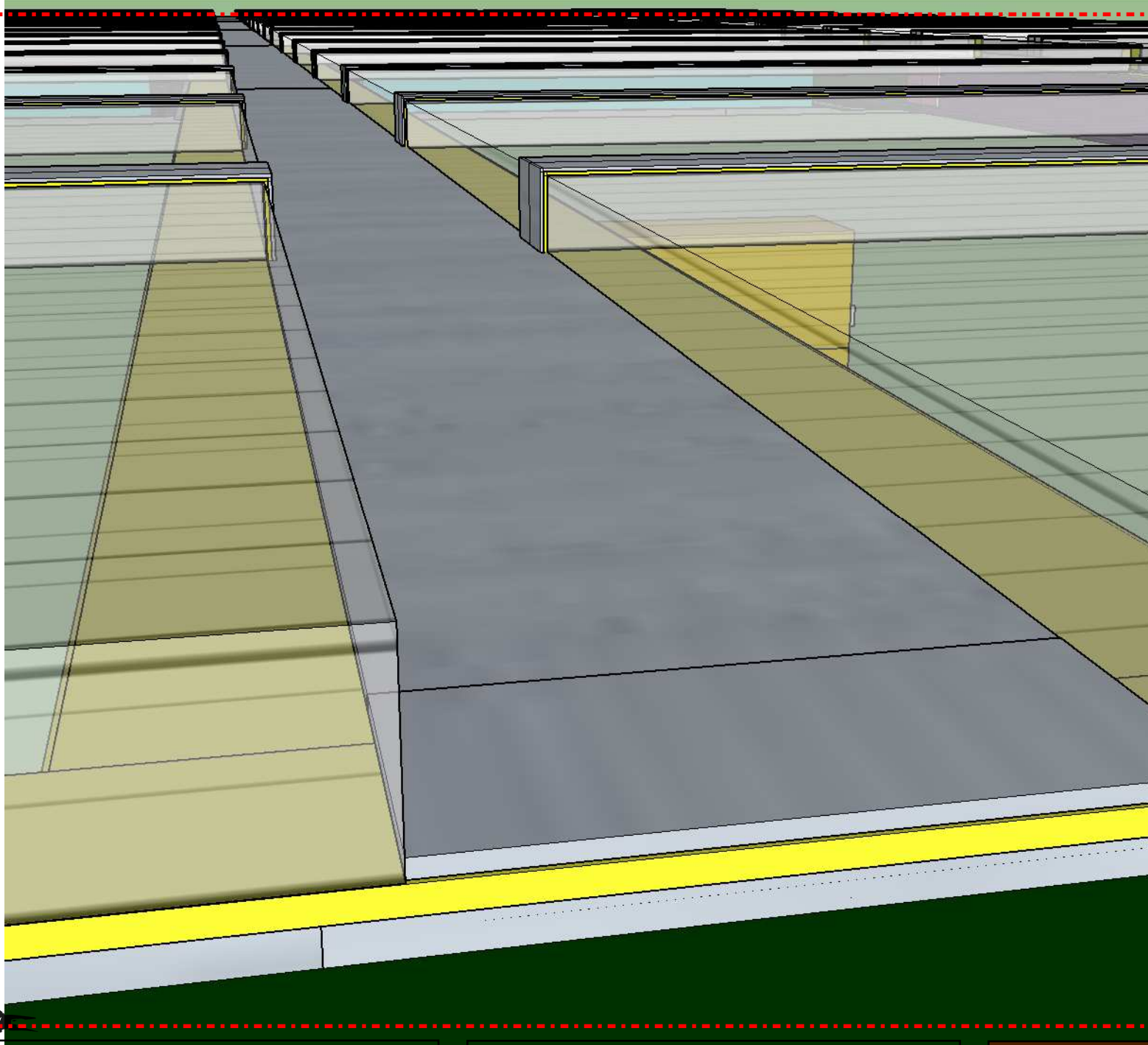
LEG UP FROM BELOW, AND OVERLAP FROM ABOVE,  
ADD RUNNING FLASHING ALONG LENGTH.

DECREASE DOWNLEG LENGTH TO 2" FOR WIND.

THIS IS A SCUPPER , IT WILL HAVE A LOT OF WATER,  
AND THE WATER WILL BE STANDING IF THERE IS NOT SLOPE.

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SHEET NUMBER:  
PART:



**COMPANY**  
300X3.COM

**ASSOCIATE**  
NONE

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
INTEGRATED ROOF:  
600 SF

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.03

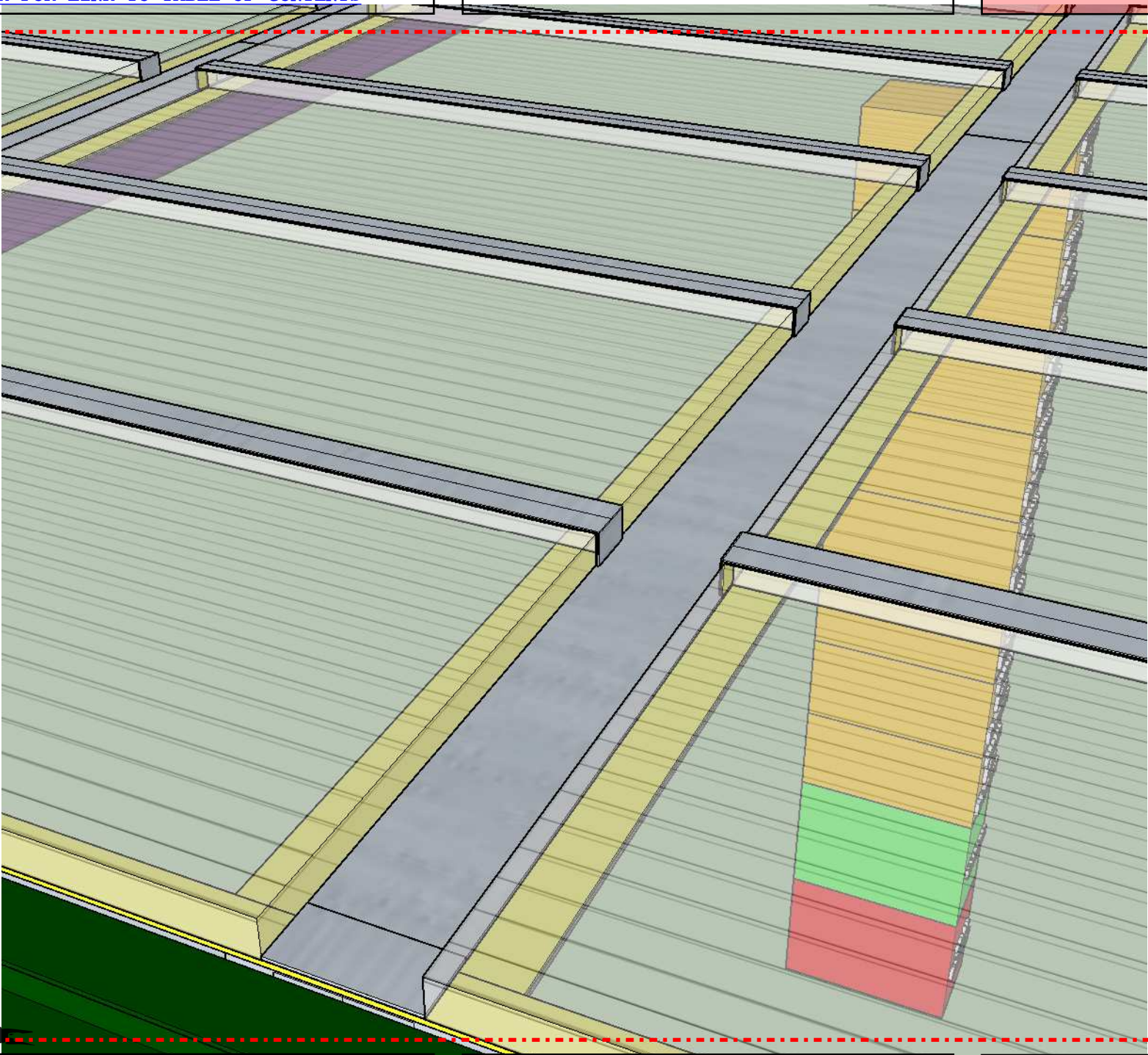
**REVISION HISTORY**  
2023.08.06- REV1  
2023.08.17- REV2

**DESCRIPTION**  
ROOF FLASHING -  
TROUGH SCUPPER -  
ISOMETRIC

**D7.B**

[CLICK FOR LINK TO MAIN SITE: 300X3.COM](#)  
[CLICK FOR LINK TO TABLE OF CONTENTS](#)

SHEET NUMBER:



**COMPANY**  
300X3.COM

**ASSOCIATE**  
NONE

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
INTEGRATED ROOF:  
600 SF

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.03

**REVISION HISTORY**  
2023.08.06- REV1  
2023.08.17- REV2

**DESCRIPTION**  
FLASHING, MULTIPLE  
SOLAR PANELS -  
ISOMETRIC

**D7.C**

[CLICK FOR LINK TO MAIN SITE: 300X3.COM](#)  
[CLICK FOR LINK TO TABLE OF CONTENTS](#)

SHEET NUMBER:  
PART:

**COMPANY**

300X3.COM

**ASSOCIATE**

NONE

**CUSTOMER**

PUBLIC SALE

**GROUP**

INTEGRATED ROOF:  
600 SF

**DRAWN BY**

SWW

**ORIGINAL ISSUANCE**

2023.08.03

**REVISION HISTORY**

2023.08.06- REV1  
2023.08.17- REV2

**DESCRIPTION**

LIGHT FIXTURE DC  
CONNECTION PLATES  
- ISOMETRIC

**D7.D**

**D.L1.A - LAYOUT - PERFORATED**

**D.L1.B - LAYOUT - BOTTOM OF**

**DC CEILING PANELS**

**BEAM CEILING ATTACHMENT**

**COMPANY**

300X3.COM

**ASSOCIATE**

NONE

**CUSTOMER**

PUBLIC SALE

**GROUP**

INTEGRATED ROOF:  
600 SF

**DRAWN BY**

SWW

**ORIGINAL ISSUANCE**

2023.08.03

**REVISION HISTORY**

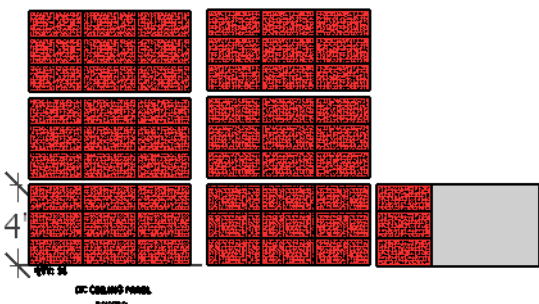
2023.08.06- REV1

2023.08.17- REV2

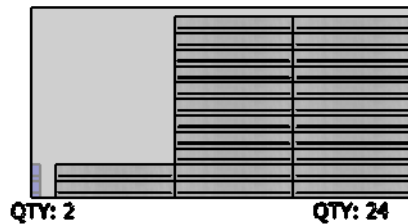
**DESCRIPTION**

LAYOUT -  
CNC CUTTING -  
COMPOSITE #1

**D.L1**

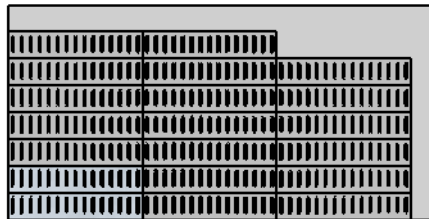


**D.L1.C - LAYOUT - TOP OF BEAM  
SOLAR PANEL ATTACHMENT (1-  
SIDE)**



**SOLAR PANEL ATTACHMENT  
HALF SIZE**

CHANGE SIZE  
MAXIMIZE LAYOUT  
REDUCE CUTTING  
REDUCE LABOR FOR INSTALL  
REDUCE GAPS FOR WATER



**QTY: 20**

**CEILING ATTACHMENT**

CHANGE SIZE  
MAXIMIZE LAYOUT  
REDUCE CUTTING  
REDUCE LABOR FOR INSTALL  
REDUCE GAPS FOR WATER

**D.L1.D - LAYOUT - TOP OF  
BEAM SOLAR PANEL ATTACHMENT  
(BOTH SIDES)**



**SOLAR PANEL ATTACHMENT  
FULL SIZE**

**COMPANY**  
300X3.COM

**ASSOCIATE**  
NONE

**CUSTOMER**  
PUBLIC SALE

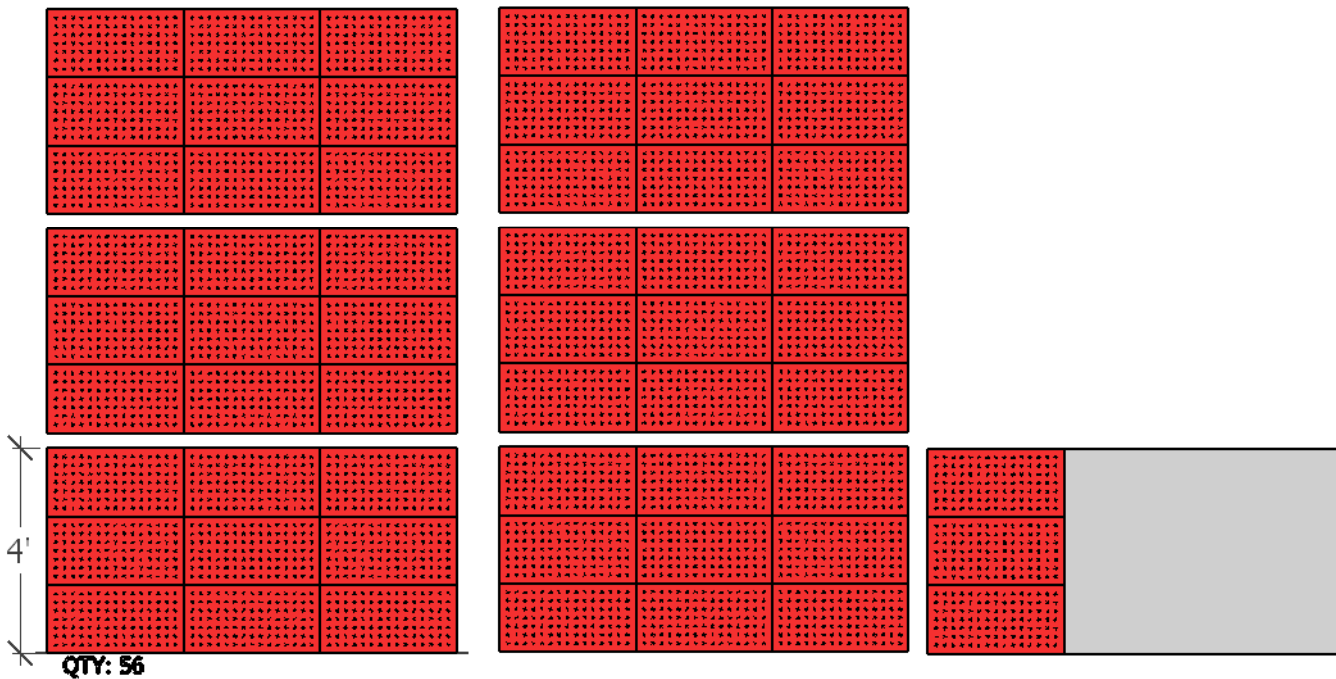
**GROUP**  
INTEGRATED ROOF:  
600 SF

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.03

**REVISION HISTORY**  
2023.08.06- REV1  
2023.08.17- REV2

**DESCRIPTION**  
LAYOUT -  
PERFORATED DC  
CEILING PANELS



DC CEILING PANEL

OF 100% 300X3.COM

**D.L1.A**

**COMPANY**  
300X3.COM

**ASSOCIATE**  
NONE

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
INTEGRATED ROOF:  
600 SF

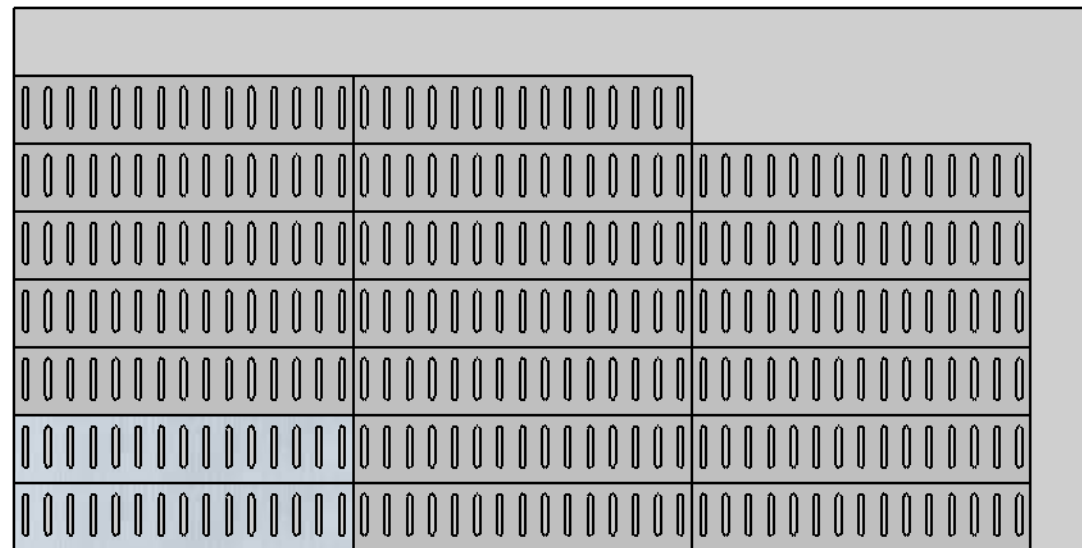
**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.03

**REVISION HISTORY**  
2023.08.06- REV1  
2023.08.17- REV2

**DESCRIPTION**  
LAYOUT - BOTTOM OF  
BEAM CEILING  
ATTACHMENT

**D.L1.B**



QTY: 20

## CEILING ATTACHMENT

1/8" PLATE

CHANGE SIZE  
MAXIMIZE LAYOUT  
REDUCE CUTTING  
REDUCE LABOR FOR INSTALL  
REDUCE GAPS FOR WATER

**COMPANY**  
300X3.COM

**ASSOCIATE**  
NONE

**CUSTOMER**  
PUBLIC SALE

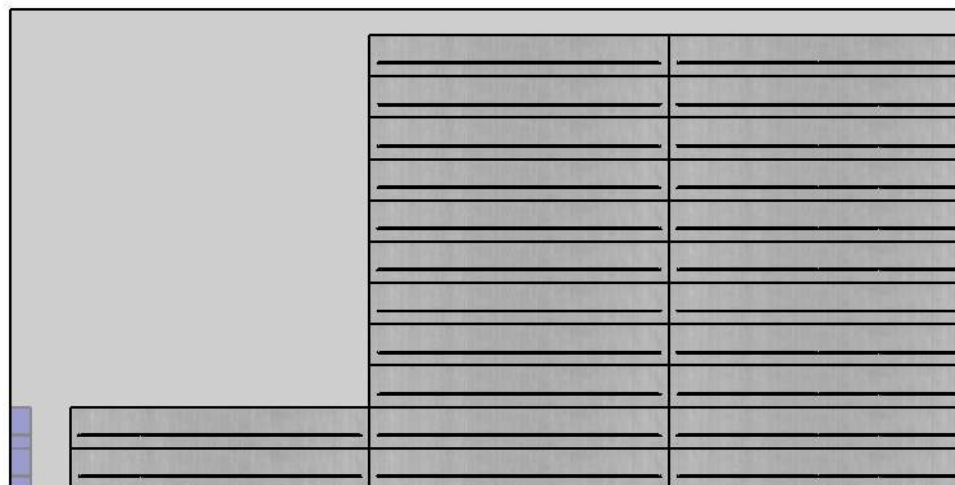
**GROUP**  
INTEGRATED ROOF:  
600 SF

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.03

**REVISION HISTORY**  
2023.08.06- REV1  
2023.08.17- REV2

**DESCRIPTION**  
LAYOUT - TOPOF BEAM  
SOLAR PANEL  
ATTACHMENT (1-SIDE)



QTY: 2

QTY: 24

SOLAR PANEL ATTACHMENT  
HALF SIZE

1/8" PLATE

CHANGE SIZE  
MAXIMIZE LAYOUT  
REDUCE CUTTING  
REDUCE LABOR FOR INSTALL  
REDUCE GAPS FOR WATER

**D.L1.C**

**COMPANY**  
300X3.COM

**ASSOCIATE**  
NONE

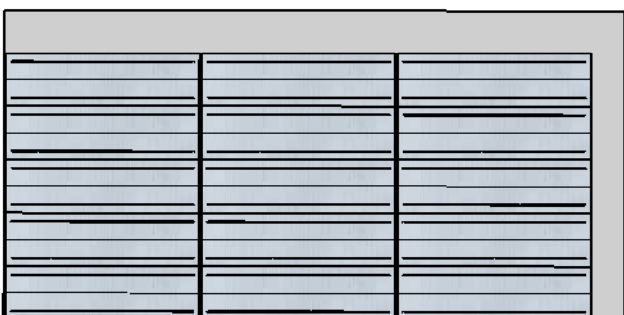
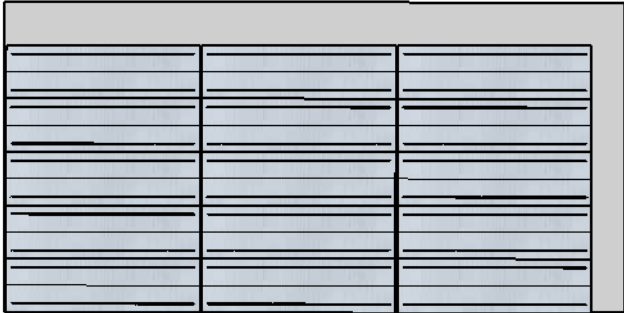
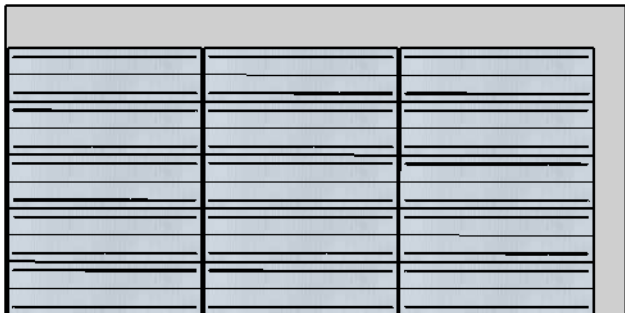
**CUSTOMER**  
PUBLIC SALE

**GROUP**  
INTEGRATED ROOF:  
600 SF

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.03

**REVISION HISTORY**  
2023.08.06- REV1  
2023.08.17- REV2

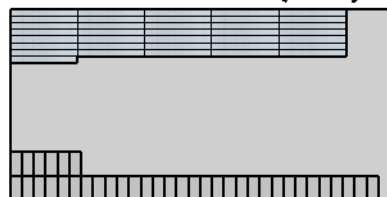


**SOLAR PANEL ATTACHMENT**  
**FULL SIZE**  
QTY: 60

**DESCRIPTION**  
LAYOUT - TOPOF BEAM  
SOLAR PANEL  
ATTACHMENT (2 SIDES)

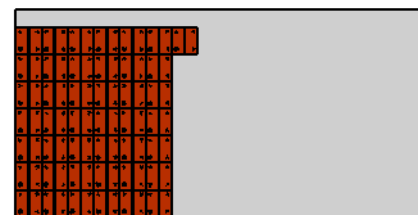
**D.L1.D**

QTY: 36 THICK FLASHING (FILLER)



QTY: 36 STRUCTURAL BEAM  
SPLICE PLATES

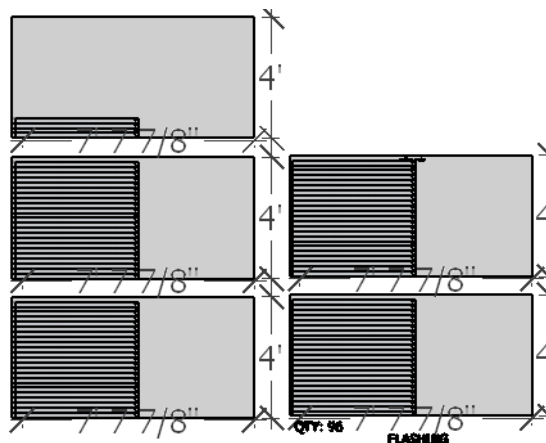
CHANGE SIZE  
MAXIMIZE LAYOUT  
REDUCE CUTTING  
REDUCE LABOR FOR INSTALL  
REDUCE GAPS FOR WATER



QTY: 43  
FIXTURES

FINISH DESIGN

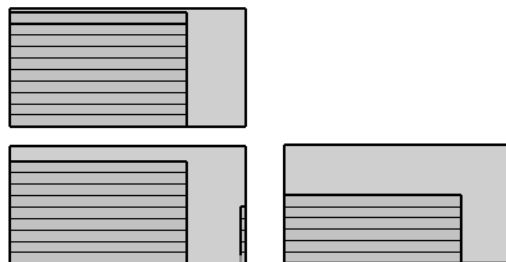
D.L2.C - LAYOUT - SOLAR PANEL  
FLASHING



QTY: 96  
FLASHING

CHANGE SIZE  
MATCH PREPARED  
SOLAR PANEL

D.L2.D - LAYOUT - STRUCTURAL  
BEAM FLASHING



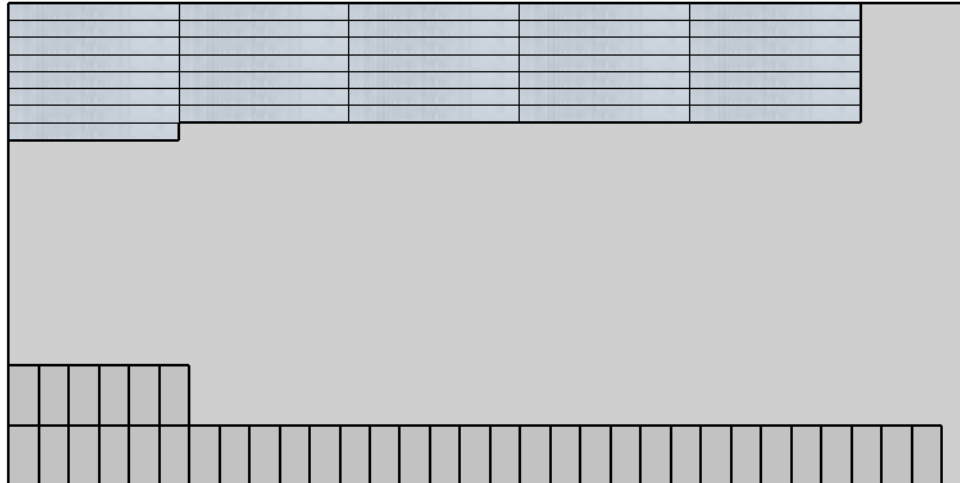
QTY: 23  
FLASHING

CHANGE SIZE  
MATCH PREPARED  
SOLAR PANEL

D.L2

QTY: 36

THICK FLASHING (FILLER)



QTY: 36

STRUCTURAL BEAM  
SPLICE PLATES

1/4" PLATE

CHANGE SIZE  
MAXIMIZE LAYOUT  
REDUCE CUTTING  
REDUCE LABOR FOR INSTALL  
REDUCE GAPS FOR WATER

COMPANY  
300X3.COM

ASSOCIATE  
NONE

CUSTOMER  
PUBLIC SALE

GROUP  
INTEGRATED ROOF:  
600 SF

DRAWN BY  
SWW

ORIGINAL ISSUANCE  
2023.08.03

REVISION HISTORY  
2023.08.06- REV1  
2023.08.17- REV2

DESCRIPTION  
LAYOUT - THICK  
FLASHING &  
SPLICE PLATES

D.L2.A

**COMPANY**  
300X3.COM

**ASSOCIATE**  
NONE

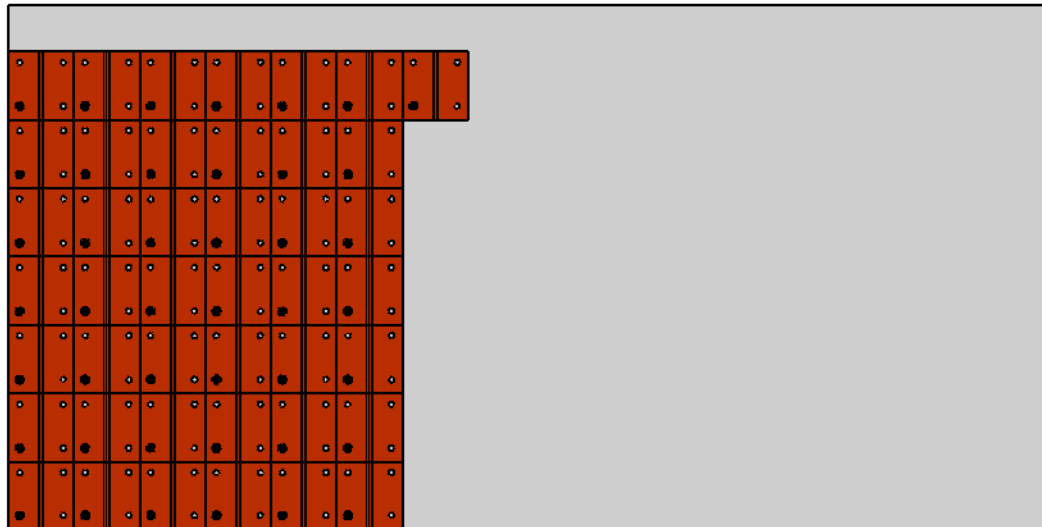
**CUSTOMER**  
PUBLIC SALE

**GROUP**  
INTEGRATED ROOF:  
600 SF

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.03

**REVISION HISTORY**  
2023.08.06- REV1  
2023.08.17- REV2



QTY: 43

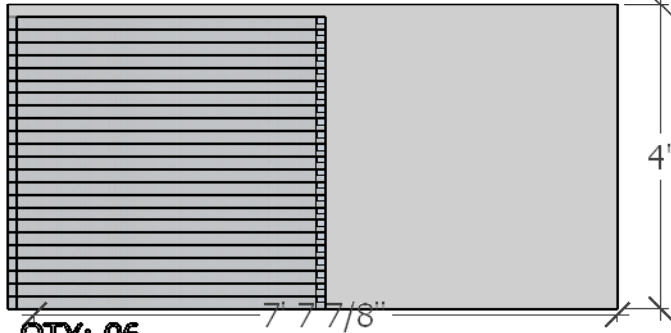
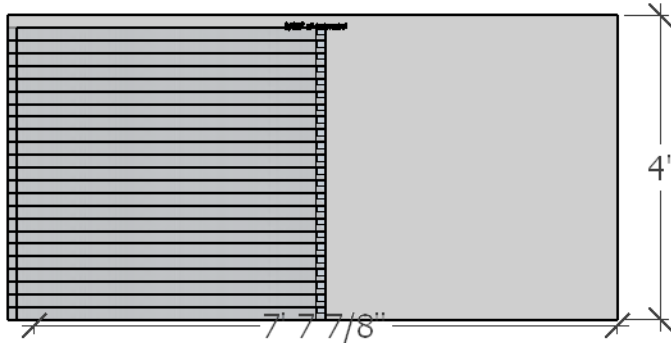
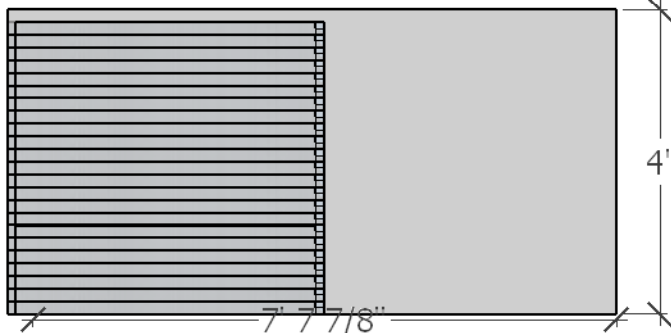
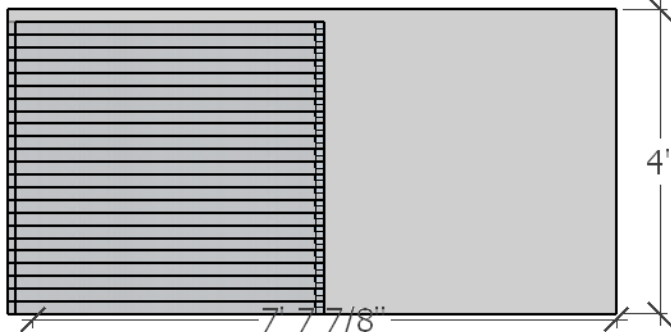
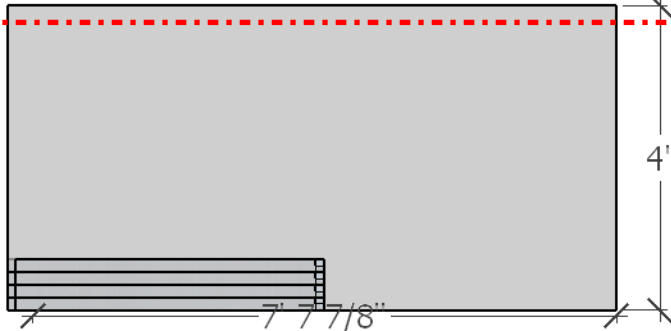
FIXTURES

1/8" PLATE

FINISH DESIGN

**DESCRIPTION**  
LAYOUT - LIGHT  
FIXTURE DC  
CONNECTION PLATES

**D.L2.B**



QTY: 96

FLASHING

3/8\"/>

CHANGE SIZE  
MATCH PREFERRED  
SOLAR PANEL

COMPANY  
300X3.COM

ASSOCIATE  
NONE

CUSTOMER  
PUBLIC SALE

GROUP  
INTEGRATED ROOF:  
600 SF

DRAWN BY  
SWW

ORIGINAL ISSUANCE  
2023.08.03

REVISION HISTORY  
2023.08.06- REV1  
2023.08.17- REV2

DESCRIPTION  
LAYOUT - SOLAR  
PANEL FLASHING

D.L2.C

**COMPANY**  
300X3.COM

**ASSOCIATE**  
NONE

**CUSTOMER**  
PUBLIC SALE

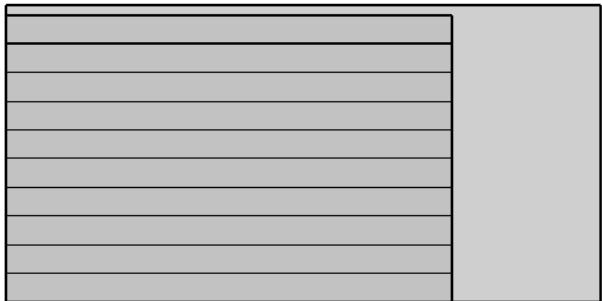
**GROUP**  
INTEGRATED ROOF:  
600 SF

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.03

**REVISION HISTORY**  
2023.08.06- REV1  
2023.08.17- REV2

**DESCRIPTION**  
LAYOUT - STRUCTURAL  
BEAM FLASHING



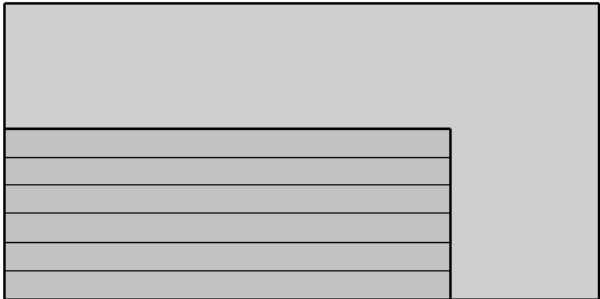
QTY: 25

FLASHING

4"X8" dimensions

QTY: 5

CHANGE SIZE  
MATCH PREFERRED  
SOLAR PANEL



**D.L2.D**

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SHEET NUMBER:

D.L3.A - LAYOUT - STRUCTURAL  
BEAMS

D.L3.B - LAYOUT - SOLAR  
PANELS, 200 WATTS EACH

COMPANY

300X3.COM

ASSOCIATE

NONE

CUSTOMER

PUBLIC SALE

GROUP

INTEGRATED ROOF:  
600 SF

DRAWN BY

SWW

ORIGINAL ISSUANCE

2023.08.03

REVISION HISTORY

2023.08.06- REV1

2023.08.17- REV2

DESCRIPTION

LAYOUT - PART COUNT  
& CNC CUTTING -  
COMPOSITE #3

D.L3

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SHEET NUMBER:

PART:

COMPANY  
300X3.COM

ASSOCIATE  
NONE

CUSTOMER  
PUBLIC SALE

GROUP  
INTEGRATED ROOF:  
600 SF

DRAWN BY  
SWW

ORIGINAL ISSUANCE  
2023.08.03

REVISION HISTORY  
2023.08.06- REV1  
2023.08.17- REV2

QTY: 2



"11000"

STRUCTURAL BEAMS -  
FILLERS

CREATE SPLICE  
BOLT PATTERN

QTY: 11

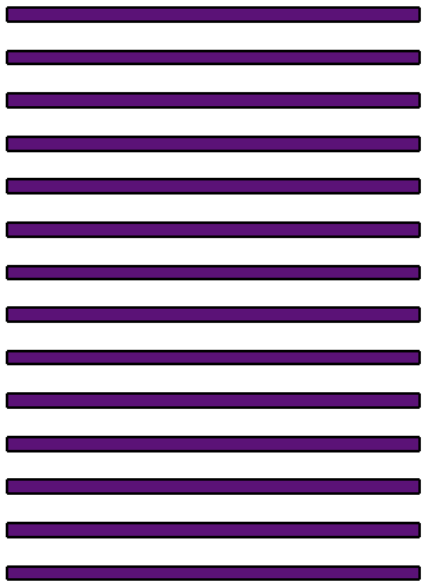


"2000"

STRUCTURAL BEAMS -  
ROOF & CEILING

CREATE SPLICE  
BOLT PATTERN

QTY: 14



"2000"

STRUCTURAL BEAMS - NOTCHED ENDS

CREATE SPLICE  
BOLT PATTERN

DESCRIPTION  
LAYOUT -  
STRUCTURAL BEAMS

D.L3.A


102 SOLAR PANELS  
SIZE DICTATES STRUCTURE  
AND FLASHING

DESCRIPTION  
LAYOUT - SOLAR  
PANELS, 200 WATTS  
EACH

COMPANY  
300X3.COM

ASSOCIATE  
NONE

CUSTOMER  
PUBLIC SALE

GROUP  
INTEGRATED ROOF:  
600 SF

DRAWN BY  
SWW

ORIGINAL ISSUANCE  
2023.08.03

REVISION HISTORY  
2023.08.06- REV1  
2023.08.17- REV2

**ROOF ASSEMBLY** - INTEGRATED STRUCTURE, SOLAR PANEL, SOLAR PANEL CLEANING, AIR PLENUM, DC ELECTRICAL ROUTING, MULTI-SOCKET LIGHT FIXTURE WITH INTEGRATED SOLAR PANEL MC4 CONNECTIONS.

**SUMMARY:**

- SOLAR ARRAY AS ROOF WITH INTEGRATED: WATERPROOFING, PANEL WASHING, FANS, AIR PLENUM, LIGHTS, REMOVABLE CEILING PANELS, AND POWER DISTRIBUTION.

**USECASES (BUILDING TYPES):**

1. LIVE/WORK FABRICATION INCLUDING HOTWORK - FOUNDRY, WELDING, GLASS, HEAVY MACHINERY.
2. TECHNICAL WORK / TECHNOLOGY WORK - CLEAN ROOM IN OFFICE AREA.
3. LAB WORK - CLEAN ROOM IN OFFICE AREA.
4. SERVER FARM - SUSTAINABLE ENERGY.

**REMOVAL OF MATERIAL FROM STANDARD ROOF ASSEMBLIES:**

- A. REMOVE THE ROOF SHEATHING
- B. REMOVE THE WATERPROOF MEMBRANE
- C. REMOVE ALL DUCTWORK
- D. REMOVE HALOGEN LIGHTS

**FABRICATION:**

- STANDARD FABRICATION METHODS - PLASMA CUTTING OR PUNCHPRESS, WELDING, EIGHTH INCH AND HALF INCH BOLTS, ROLLER FOR WATERPROOFING,

**LINK TO 3D MODEL, SKETCHUP:**

- <https://3dwarehouse.sketchup.com/model/dd5e0061-ed6f-4491-b258-2eb4793772ae/ROOF-ASSEMBLY-ISO-SHIPPING-CONTAINERSkp>

**LINK TO 3D MODEL, PCLLOUD FILESHARE:**

- <https://u.pcloud.link/publink/show?code=XZim2NVZjgwNxIP5zP0WR5Uc3NVokJHtUCt7>

**COMPANY**  
300X3.COM

**ASSOCIATE**  
NONE

**CUSTOMER**  
PUBLIC SALE

**GROUP**  
INTEGRATED ROOF:  
600 SF

**DRAWN BY**  
SWW

**ORIGINAL ISSUANCE**  
2023.08.03

**REVISION HISTORY**  
2023.08.06- REV1  
2023.08.17- REV2

**DESCRIPTION**  
CEILING AND ROOF  
ASSEMBLY NOTES

**D.N**

**CHANGES TO STANDARD CONSTRUCTION PRACTICE:**

1. USE SOLAR PANELS IN LIEU OF SHEATHING, ATTACH DIRECTLY TO TOP FLANGE OF PERFORATED ALUMINUM OR STEEL BEAMS. ADD A SHEETMETAL FLANGE BETWEEN SOLAR PANELS ALONG THE TOP OF THE STRUCTURAL BEAM FOR WATERPROOFING AND AS A TRACK FOR ROOF ACCESS AS WELL AS SOLAR PANEL CLEANING.
2. INSTALL A PERFORATED PANEL AT THE LOWER FLANGE OF THE ALUMINUM OR STEEL BEAM. USE THE BEAM POCKET FOR ALL AIRFLOW.
3. ROUTE A POSITIVE ELECTRICAL CURRENT AT THE TOP OF THE PERFORATED PANEL AND A NEGATIVE ELECTRICAL CURRENT AT THE BOTTOM OF THE PERFORATED PANEL. \*REPLACES ALL MEDIUM VOLTAGE WIRING AT THE CEILING.
4. ATTACH HIGH WATTAGE LEDS AT THE UNDERSIDE OF THE PERFORATED PANEL
5. INSTALL FANS AT THE PERFORATED PANEL TO CREATE LAMINAR FLOW OF AIR WITHIN THE BEAM POCKETS - CHANGE DIRECTION OF AIR DEPENDING ON THE USE OF SPACE AT THE INTERIOR. ROUTE AIR TO THE OUTSIDE OF THE BUILDING - NATURAL VENTILATION.
6. MOUNT FANS AND CEILING ACCESSORIES TO THE UNDERSIDE OF THE PERFORATED PANEL.

**EXPECTED SAVINGS:**

- A. LOWER CONSTRUCTION COSTS - LABOR AND MATERIAL
- B. HIGHER SQUARE FOOTAGE OF SOLAR PANELS
- C. EASY TO CLEAN SOLAR PANELS - AUTOMATED ROLLING SQUEEGEE WITH WHEELS ON TOP OF BEAMS.
- D. LOWER AIR CONDITIONING COSTS - PASSIVE VENTILATION
- E. CLEANER ARCHITECTURAL LOOK - ROOF AND CEILING (FLAT PLANES FOR BOTH.)

**PARAMETRIC MODELING - SOLAR PANEL MANUFACTURER / SIZE DETERMINES:**

1. LENGTH OF: FILLER BEAMS
2. LENGTH AND WIDTH OF: ALL FLASHING
3. ON CENTER SPACING OF: MAIN BEAMS

- THIS MAKES IT SO MULTIPLE SOLAR PANEL SIZES AND MOUNTING METHODS CAN BE INCORPORATED (COST COMPETITIVE AND FUTUREPROOF.) STEP 1 OF ANY PROJECT: DEFINE THE PREFERRED SOLAR PANEL AND LOCK-IN A PRICE, PROCEED WITH PROCUREMENT QUICKLY.

**COMPANY**

300X3.COM

**ASSOCIATE**

NONE

**CUSTOMER**

PUBLIC SALE

**GROUP**

INTEGRATED ROOF:  
600 SF

**DRAWN BY**

SWW

**ORIGINAL ISSUANCE**

2023.08.03

**REVISION HISTORY**

2023.08.06- REV1  
2023.08.17- REV2

**DESCRIPTION**

CEILING AND ROOF  
ASSEMBLY NOTES 2

**D.N.1**

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SHEET NUMBER:



ROOF ESTIMATE COMPARISON – STEEL & INTEGRATED SOLAR VS WOOD, TILE, AND SOLAR

DESCRIPTION (TAG)	QUANTITY	UNITS	UNIT COST	TOTAL COST	NOTE
600SF - STRUCTURAL ROOF - INTEGRATED SOLAR					
010 STRUCTURAL BEAMS	27	COUNT	\$603.70	\$16,300.00	10FT LENGTHS OF 4X4 ALUMINUM
030 STRUCTURAL PLATES CEILING & SOLAR	129	COUNT	\$97.29	\$12,550.41	2'6"X6" AT 1/8" THICK
040 SOLAR PANEL	102	COUNT	\$230.00	\$23,460.00	24 KW FROM 102 200W PANELS
060 WATERPROOFING (@ FLASHING ONLY)	489	CUBIC INCHES	\$5.00	\$2,445.00	1 GALLON = 277 CUBIC INCHES.
070 FLASHING	9084	SQUARE INCHES	\$0.60	\$5,450.40	1/16" THICK, MOSTLY
				\$60,205.81	SUBTOTAL
				\$100.34	COST PER SQUARE FOOT
600SF - DC CEILING - INTEGRATED AIR, ELECTRICAL, AND BATTERIES					
080 DC PERFORATED CEILING PANELS	56		\$71.00	\$3,976.00	REQUIRED ALTERNATE (AS REPLACEMENT FOR SOLAR PANEL WIRING)
090 LIGHT FIXTURES - MULTI SOCKET & SPlicing FOR DC CEILING PANELS	43		\$200.00	\$8,600.00	REQUIRED ALTERNATE (AS REPLACEMENT FOR SOLAR PANEL WIRING)
110 AGM BATTERIES, AND CHARGER - SINGLE STACKED COLUMN	10	COUNT	\$410.00	\$4,100.00	ALTERNATE
				\$16,676.00	SUBTOTAL
				\$27.79	COST PER SQUARE FOOT
				\$76,881.81	GRAND TOTAL

COMPANY  
300X3.COM

ASSOCIATE  
NONE

CUSTOMER  
PUBLIC SALE

GROUP  
INTEGRATED ROOF:  
600 SF

DRAWN BY  
SWW

ORIGINAL ISSUANCE  
2023.08.03

REVISION HISTORY  
2023.08.06- REV1  
2023.08.17- REV2

DESCRIPTION  
CEILING AND ROOF  
ASSEMBLY ESTIMATE  
1

D.E.1

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PART:



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SHEET NUMBER:

ESTIMATE COMPARISON

ROOF ESTIMATE COMPARISON – STEEL & INTEGRATED SOLAR VS WOOD, TILE, AND SOLAR

600SF - WOOD ROOF WITH CONCRETE TILE FINISH					
ROOF TRUSS	9	COUNT	\$400.00	\$3,600.00	28' TO 36' SPAN FOR \$160. 9 TOTAL + LABOR *3
ROOF SHEATHING	40	COUNT	\$150.00	\$6,000.00	32SF, 4'X8' 3/4" \$70 A SHEET, \$150 A SHEET INSTALLED.
ROOF WATERPROOFING SILICON	20	COUNT	\$150.00	\$3,000.00	SILICON, WHOLE ROOF SURFACE AREA
ROOF FINISH - CONCRETE TILES	600	SQUARE FEET	\$16.67	\$10,002.00	
MECHANICAL DUCTWORK AND HVAC SYSTEM	1	LUMP SUM	\$1,000.00	\$1,000.00	
ELECTRICAL WIRING	1	LUMP SUM	\$4,000.00	\$4,000.00	
CEILING JOISTS	1	LUMP SUM	\$2,000.00	\$2,000.00	
CEILING	1	LUMP SUM	\$2,000.00	\$2,000.00	
LIGHT FIXTURES	1	LUMP SUM	\$1,300.00	\$1,300.00	
				\$32,902.00	SUBTOTAL
				\$54.84	COST PER SQUARE FOOT
DIFFERENT ROOF FINISH					
REMOVE CONCRETE TILE AMOUNT OF \$10K AND ADD:					
ALUMINUM	600	SQUARE FEET	\$16.67	\$10,002.00	ALTERNATE
PVC	600	SQUARE FEET	\$13.33	\$7,998.00	ALTERNATE
CORRUGATE	600	SQUARE FEET	\$6.67	\$4,002.00	ALTERNATE
				ALTERNATE SUBTOTAL - DIFFERENT ROOF FINISHES	
				COST PER SQUARE FOOT	
600SF SOLAR PANELS AND MOUNTING ALONE					
SOLAR PANELS	102	COUNT	\$230.00	\$23,460.00	ALTERNATE
UNISTRUT	102	COUNT	\$50.00	\$5,100.00	ALTERNATE
ELECTRICAL WIRING	1	LUMP SUM	\$4,000.00	\$4,000.00	ALTERNATE
110 AGM BATTERIES, AND CHARGER - SINGLE STACKED COLUMN	10	COUNT	\$410.00	\$4,100.00	ALTERNATE
				\$36,660.00	ALTERNATE SUBTOTAL - SOLAR & BATTERIES (CNET ESTIMATE: \$72K)
				\$61.10	COST PER SQUARE FOOT
				\$69,562.00	GRAND TOTAL
DC/AC INVERTER & GRID TIE					
	1	LUMP SUM	\$10,000.00	\$10,000.00	ALTERNATE - GRID TIE

COMPANY

300X3.COM

ASSOCIATE

NONE

CUSTOMER

PUBLIC SALE

GROUP

INTEGRATED ROOF:  
600 SF

DRAWN BY

SWW

ORIGINAL ISSUANCE

2023.08.03

REVISION HISTORY

2023.08.06– REV1

2023.08.17– REV2

DESCRIPTION

CEILING AND ROOF  
ASSEMBLY ESTIMATE  
2

D.E.2

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SHEET NUMBER:

PART:



ESTIMATE COMPARISON

ROOF ESTIMATE COMPARISON – STEEL & INTEGRATED SOLAR VS WOOD, TILE, AND SOLAR

CONCLUSION
A ROOF WITH A WOOD STRUCTURE OR AN ALUMINUM/STEEL STRUCTURE ARE PRICED GENERALLY THE SAME WHEN SOLAR PANELS ARE ADDED. THE ONLY ADVANTAGE TO INSTALLING SOLAR PANELS ON AN EXISTING WOOD STRUCTURE IS IF THOSE PANELS WERE PROVIDED AND MAINTAINED FOR FREE. ON A NEW STRUCTURE - INSTALLING WITH SOLAR PANELS IN LIEU OF SHEATHING AND TILE OR OTHER FINISHED MATERIAL IS PREFERRED FOR THE FOLLOWING REASONS:
1. ROOF WARRANTY - A GLASS ROOF MADE OF SOLAR PANELS WILL HAVE A MUCH LONGER WARRANTY, ESPECIALLY IN REGARDS TO AN ALUMINUM/STEEL STRUCTURE AND WITH FLASHING ON TOP
2. WHETHER ALUMINUM OR STEEL THE PRICE IS GENERALLY THE SAME, STEEL IS MORE COMMON BUT IS HEAVIER WHEN INSTALLING AND IN REGARDS TO THE SUPPORTING WALLS, EITHER WORKS.
3. INCREASED WATTAGE FROM SOLAR PANELS - A STRUCTURALLY SOUND WOOD STRUCTURE CANNOT SPAN THE SAME LENGTH AS STEEL IN A FLAT ORIENTATION, ESPECIALLY NOT AT THIS PRICE POINT OR SCALE.
4. MORE AIR FLOW - THE BEAM POCKETS IN THE METAL ROOF STRUCTURE PROVIDE A SIGNIFICANT AMOUNT OF AIRFLOW, AND CONSTANT EXHAUST OUT OF THE BUILDING INSTEAD OF CAPTURING HOT AIR IN AN ATTIC SPACE.
5. MORE LIGHTING & SUPPORT FOR MULTIPLE BULB TYPES - DC ELECTRIFIED CEILING PANELS ALLOW FOR INSTALLATION OF FIXTURES AT ANY LOCATION.
6. ALL CEILING PANELS ARE REMOVABLE, AND ARE BOLTED INTO PLACE.
7. BATTERIES CAN BE ATTACHED TO THE CEILING PANELS, THE SAME AS ANY LIGHT FIXTURE - AT ANY LOCATION.
8. STRONGER STRUCTURAL AND SEISMIC CHARACTERISTICS THAN WOOD - STEEL AND ALUMINUM ARE GENERALLY STRONGER IN COMPARISON TO WOOD BEAMS AND CAN WITHSTAND LARGER SEISMIC EVENTS.
9. FIREPROOF - AN ALL STEEL / ALUMINUM STRUCTURE DOES NOT CATCH FIRE, AND IS SAFER IN REGARDS TO LOAD BALANCING / AIRFLOW AND THE WORK INSIDE.
10. HIGHER WATTAGE PRODUCTION - THE FLAT ORIENTATION OF PANELS AND WALKWAYS BETWEEN THEM MAKES SOLAR PANELS EASIER TO CLEAN WITH A ROLLING SQUEEGEE AND PULLEY WHICH CAN BE MOTORIZED OR PUSHED BY HAND.
11. A FLAT ROOF HAS MORE OPPORTUNITIES FOR BUILDING ORIENTATION.
12. FLAT ROOFS OR A ROOF THAT IS ANGLED IN A SINGLE PLANE IS GENERALLY PREFERRABLE ARCHITECTURALLY AS IT HAS MORE DESIRABLE SIGHTLINES WITHOUT EXPOSED MECHANICAL EQUIPMENT.
13. A FLAT ROOF IS PREFERRED BY NEIGHBORS, BECAUSE OF A LOWER OVERALL BUILDING HEIGHT WHILE MAINTAINING OVERHANGS FOR SHADE.
14. BATTERIES INCLUDED. AGM CAR BATTERIES ARE MUCH CHEAPER THAN THEY USED TO BE AT AROUND \$200 EACH.
15. CHANGES IN ALUMINUM AND STEEL COMMODITY PRICING ARE ALMOST CERTAIN TO MAKE UP THE DIFFERENCE IN COST (\$7K)

COMPANY  
300X3.COM



ASSOCIATE  
NONE

CUSTOMER  
PUBLIC SALE

GROUP  
INTEGRATED ROOF:  
600 SF

DRAWN BY  
SWW

ORIGINAL ISSUANCE  
2023.08.03

REVISION HISTORY  
2023.08.06- REV1  
2023.08.17- REV2

DESCRIPTION  
CEILING AND ROOF  
ASSEMBLY ESTIMATE  
3

D.E.3



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BETTER EXAMPLE: PDF IS COMMON WITHIN BUSINESSES THAT DO FABRICATION ALONGSIDE 3D MODELS AND THE MACHINE CODE RELATED TO THEM AND IS ALSO A METHOD FOR DEVELOPING CONSENSUS AROUND CUSTOM WORK. OTHERWISE, PRINT IT.

UNFORTUNATELY - 3D IS STILL A BUSINESS AND STANDARD BATTLEFIELD, SO 3D PDF IS INCLUDED ON THE FOLLOWING PAGE INSTEAD OF ON THIS ONE AND CAN ONLY BE VIEWED IN SPECIFIC SOFTWARE. I USE BLUEBEAM FOR MY PDFS (AN OLDER VERSION TO ELIMINATE SUBSCRIPTION FEES.) 3D PDF IS ALSO VIEWABLE WITHIN ADOBE READER. WHILE INTERNET BROWSERS IN 2023 SUPPORT 2D PDF, THEY DO NOT CURRENTLY SUPPORT 3D PDF.

IN PART, THIS IS BECAUSE PDF CAN REPLACE HTML IN MANY WAYS - THE WEBSITE 300X3.COM IS BUILT ENTIRELY WITHIN PDF WITHOUT OTHER HTML BEYOND LINKS. DOES HTML SUPPORT FURTHER REACHING USE CASES WITH SIGNIFICANTLY MORE COMPLEXITY? - ABSOLUTELY, AND THAT COMPLEXITY TYPICALLY MAKES US MISERABLE AS INDIVIDUALS / SOCIETY. BECAUSE OF ITS COMPLEXITY. PDF AND OTHER ISO STANDARDS ARE AN EASY WAY OUT OF THE RAT RACE AND INTO A PRODUCTIVE BUSINESS / DAY THAT YOU CAN STILL

~~PRINT TO PAPER, IMAGINE THAT (YOU DON'T HAVE TO, YOU'RE HOLDING IT.)~~

COMPANY  
300X3.COM

ASSOCIATE  
NONE

CUSTOMER  
PUBLIC SALE

GROUP  
INTEGRATED ROOF:  
600 SF

DRAWN BY  
SWW

ORIGINAL ISSUANCE  
2023.08.03

REVISION HISTORY  
2023.08.06- REV1  
2023.08.17- REV2

DESCRIPTION  
CEILING AND ROOF  
3D PDF - OPEN WITH  
BLUEBEAM OR ADOBE

D. 3D

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PART:



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SHEET NUMBER:

**D.2**

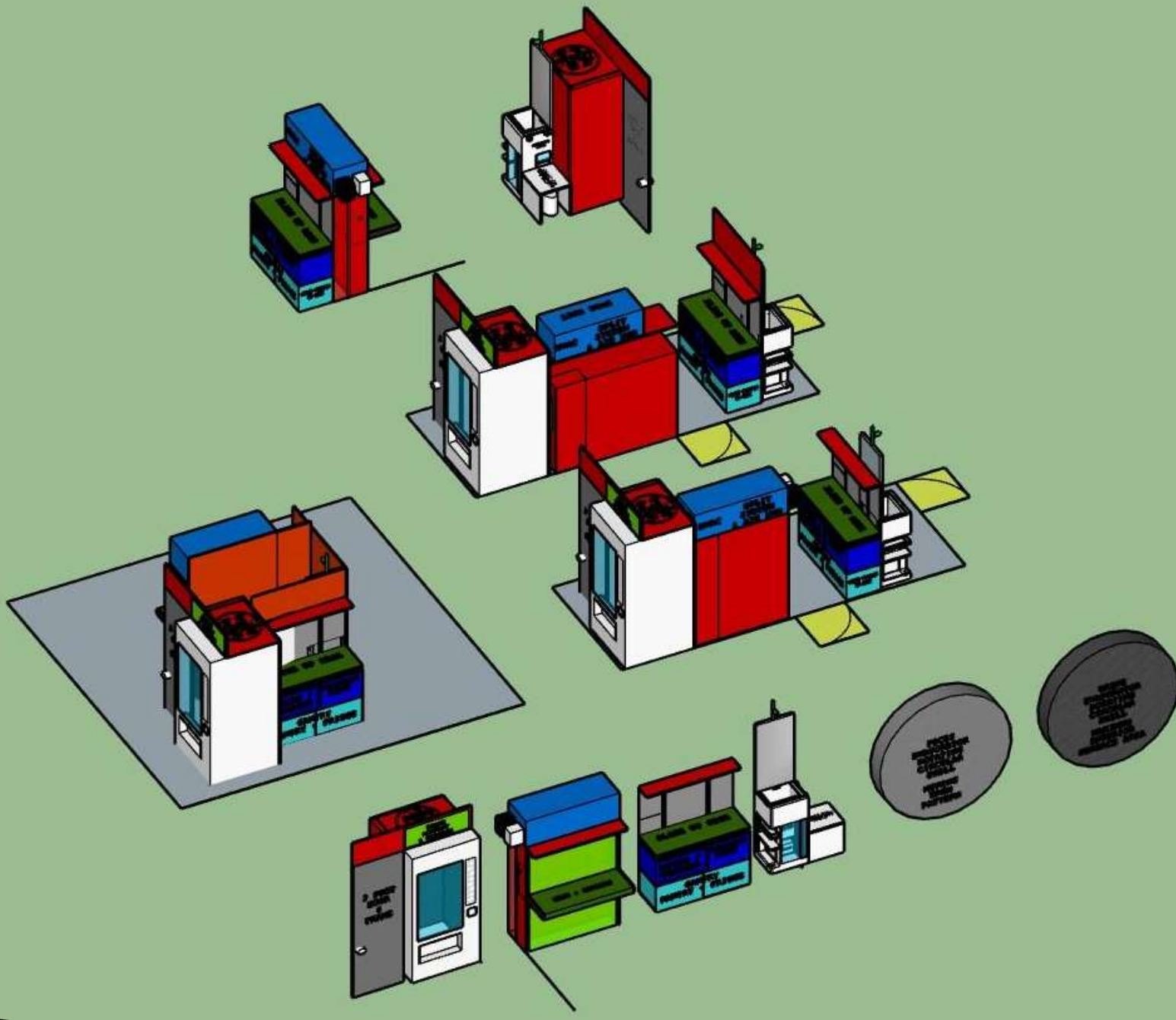
**OMNIFURNITURE**

**D.2**

**OMNIFURNITURE**

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**SHEET NUMBER:**  
**PART 8 GRAND JUNCTION CONTAINER BUILDING**



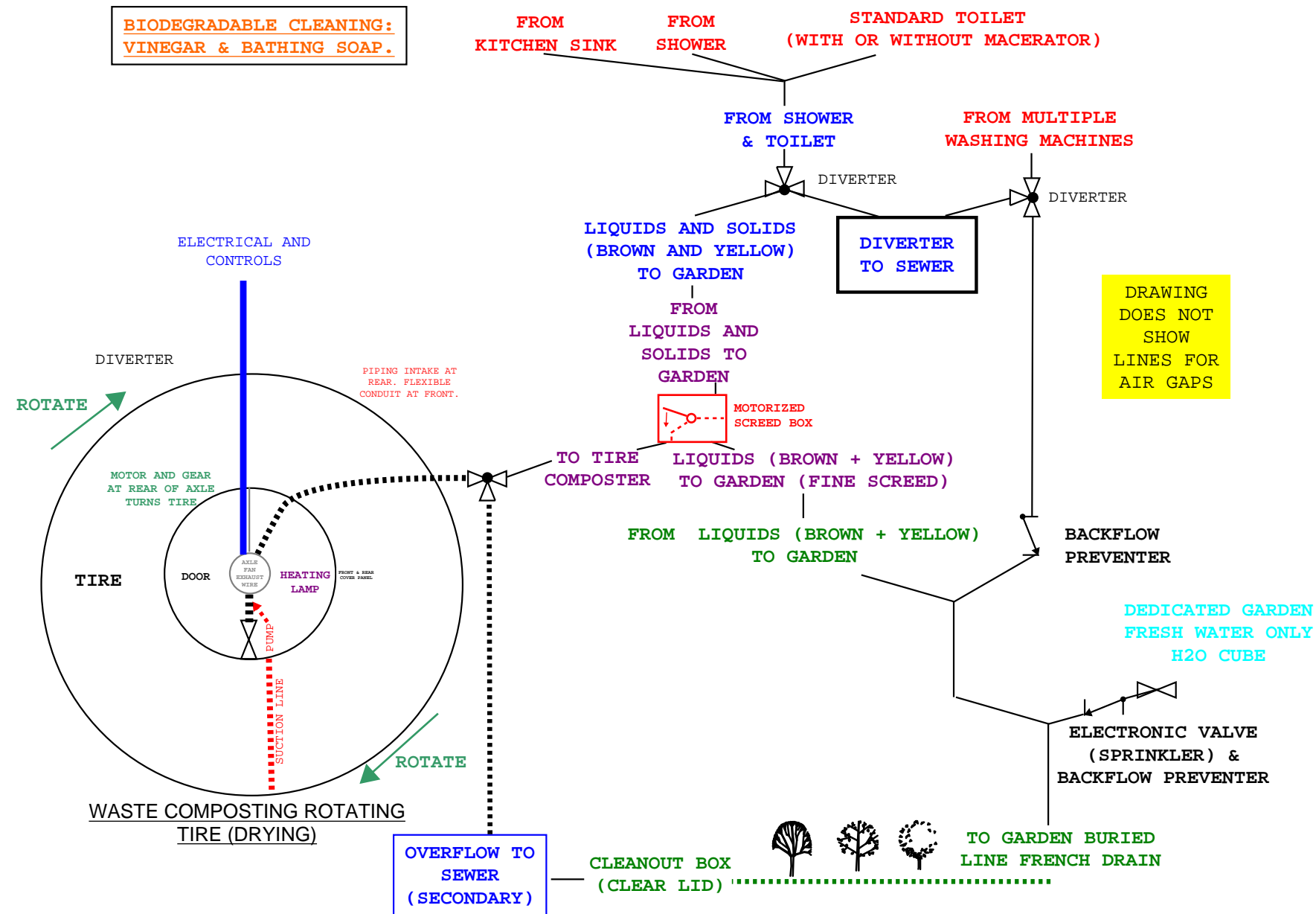
**CONTENTS :**

1. VENDING/ DOOR/ HANGAR
2. MURPHY BED / DESK / HVAC / HVR
3. CNC BOX / KITCHEN / DESK
4. FULL BATH PODIUM
5. WASTE TIRE - FECAL
6. WASTE TIRE - URINE

**LAYOUTS :**

- A. 7.5'X20' - EGRESS ON ALL SIDES
- B. 7.5'X20' - EGRESS ON ALL SIDES
- C. 7.5'X20' - EGRESS ON ALL SIDES
- D. ANY ROOM SIZE, CENTRAL UNIT - EGRESS ON ALL SIDES

## WASTE PROCESSING SYSTEM - SEWER, GARDEN, AND COMPOST SUPPORT.



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D.2

GRAND JUNCTION  
CONTAINER BUILDING  
( 3 STORY )

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**SHEET NUMBER:**  
**PARTGRAND JUNCTION CONTAINER BUILDING**

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SHEET NUMBER:

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**SHEET NUMBER:**  
**EARTMICRO MODULAR AIRCRAFT CARRIER/SUB**



NARROW SEALED HULL (SIT ON TOP KAYA, APPROXIMATELY 20' 2 BULKHEADS, 3 COMPARTMENTS, ROOM FOR BATTERIES AND CONTROL WIRING.

MOUNTING PLATE AT TOP FOR ATTACHMENT TO DECK VIA VERTICAL KNIFE PLATE.

FULLY SUBMERGED HULL

MOTOR BOLTS ONTO BOTTOM OF KAYAK, AT TWO LOCATIONS.

GOAL: STABLE RUNNING WITH HULLS BELOW THE SURFACE AND MODERATE SPEED, OR IN FLAT SEAS (EARLY MORNING "GLASS" WATER SURFACE) THE HULLS RIDE ABOVE THE WATER (FLY) SIMILAR TO A JET BOAT, BUT WITH MOTORS SUBMERGED AT THE LOWEST POINT OF THE HULL (NOT A JET ON TOP.)

WHY? POSSIBLE TO OPERAT EWHILE SUBMERGED, AS INDEPENDENT HULLS, WITH ELECTRIC POWER IN ADDITION TO SAIL POWER (MOTOR/SAIL) WITH MINIMAL DRAG, STABLE OPERATION WHEN SUBMERGED, HIGH SPEED MOTORING WHEN BREAKING THE SURFACE, ABILITY TO REMOVE THE MOTOR MOUNTS FROM THE BOTTOM OF THE HULL FOR PADDLING OR TO USE AN OUTBOARD MOTOR INSTEAD, SELF CONTAINED "ENGINE PACKAGE"



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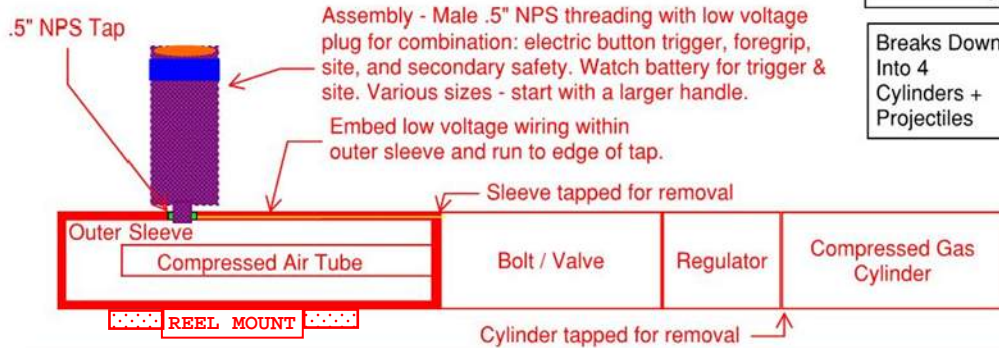
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**SHEET NUMBER:**  
PARTTHREE PARKING SPACE CONTAINER BLDG

Modular Pneumatic Projectile Launching Cylinder

Option: solar  
wrap to charge  
watch battery.

Breaks Down  
Into 4  
Cylinders +  
Projectiles



Issues:

1. Leverage & Torque - there is no way to hold a stick from its base and cantilever it out while easily controlling where the other end is pointed.

Therefore, all small arms are designed incorrectly. The correct design places the trigger assembly at a location similar to a rocket launcher - towards the front of the barrel. This allows for more control over the leverage /torque while also decreasing overall weight by reducing the size of the stock and trigger assembly.

Moving the trigger assembly forward requires a long triggering mechanism - fly by wire, electronic, or other longer distance mechanical method.

2. Many projectile launchers are made to look threatening when they are only tubes.
3. Stocks, sites and grips add weight to the projectile launcher and are redundant.
4. Safeties are located in the trigger assembly and do not prevent release of the projectile.
5. Regulations are hamstringing real world applications and have relegated them to sport, military, and minimal hunting.
6. Removing bird shot from birds, hitting fast flying drones, and use under water or while moving.
7. Non lethal use

Solutions:

1. Apply "large arms" triggering solutions to small arms. Eliminate the handle at the back and shorten barrel to forearm length or cane length. Eliminate protrusions from the barrel. Locate all internals in line with the barrel.
2. Rebuild the firearm as a tube that can be strapped to a forearm or be built into a daily use device. As a real "fire arm." Other profile options: walking stick, night stick with removable handle, cane, etc.
3. Combine grip, safety, and trigger assembly into the same part.
4. Place a secondary catch inside the primary barrel that prevents projectile release. Failure to release secondary safety will result in damage to the projectile within the secondary sleeve.
5. Change projectile to: **Arrow** > Net Wrapped Arrow (or similar) > Pellet > Gunpowder Casing to refocus product on non lethal use and to avoid initial regulation. Initial use: fishing, hunting, drone / crowd control.
6. Shooting nets could be a new hunting method for some birds / small animals. This profile is easier to swim with, lighter, less obvious on the beach, and results in more control over the projectile.
7. Shooting multiple graphene nets into power lines could facilitate guerilla warfare and destruction of a power grid without needing aerial fire power and with minimal investment in tooling.

IS THIS A WEAPON, OR A TOOL?

IT'S A TOOL, BECAUSE IT WOULD BE DIFFICULT TO KILL SOMEONE WITH (IT IS NOT DESIGNED WITH THE PRIMARY PURPOSE OF KILLING HUMANS) - I DESIGNED IT BECAUSE SPEARFISHING GUNS ARE DIFFICULT TO SWIM WITH OR ARE VERY LONG. PARTLY BECAUSE THE PROJECTILE DOES NOT GO FAR UNDERWATER AND LONGER PROJECTILES / HULLS GO FURTHER & FASTER.

THAT, AND SPEARFISHING GUNS ARE DIFFICULT TO TRANSPORT WHILE BEING LIMITED TO UNDERWATER USE.

THIS LITTLE LAUNCHER IS ALREADY BECOMING A COMMON DESIGN THAT YOU CAN PURCHASE AT BIG 5 BUT WITH A SHROUD AS A PNEUMATIC CROSSBOW

BUILD YOUR OWN, IT'S THE SAME AS A T-SHIRT CANNON AND IS USEFUL FOR BOLTS (ARROWS) BELOW AND ABOVE WATER IN ADDITION TO BB'S AND POTATOES, ETC.

COMMON KNOWLEDGE, BUT RARELY FABRICATED.

USECASES: SPEARFISHING, RABBITS, POTATO LAUNCHER

COMPANY

300X3.COM

ASSOCIATE

NONE

CUSTOMER

PUBLIC SALE

GROUP

F. MISCELLANEOUS  
SMALL PRODUCTS

DRAWN BY

SWW

ORIGINAL ISSUANCE

2024.02.08

REVISION HISTORY

DESCRIPTION

MODULAR PNEUMATIC  
LAUNCHER & BATON

F6

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**APPENDIX C**

**GENERAL CONDITIONS**  
**- PARTS AND SUPPLIES**

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**SHEET NUMBER:**  
**APPENDIX C: GENERAL CONDITIONS / PARTS**



**PRESSURIZING VESSELS – KITS & PARTS**  
LAST UPDATED: 2022.12.31

SELECTED	WEBSITE SECTION	LAST UPDATED	COMPANY	KITS ASSOCIATED WITH	PART – GENERIC NAME	PART – SPECIFIC NAME	UNITS	PART SIZE A	UNITS	PART SIZE B	UNITS	PART SIZE C	PART SIZE A	PART SIZE B	PART SIZE C	PART WEIGHT	QUANTITY PER KIT	UNIT PRICE (NO TAX)	MANUFACTURER	LINK TO MFCTR	RETAILER	LINK TO RETAIL	WARRANTY	NOTES
1		03/27/23	PRESSURIZING VESSELS	SALT WATER FILTER	REVERSE OSMOSIS WATER FILTER : CAPS WITH EMBEDDED PLUMBING AND VALVES																			
2		03/27/23	PRESSURIZING VESSELS	SALT WATER FILTER	HIGH PRESSURE ELECTRIC PUMP:																			
3		03/27/23	PRESSURIZING VESSELS	SALT WATER FILTER	HIGH PRESSURE MANUAL PUMP:																			
4		03/27/23	PRESSURIZING VESSELS	SALT WATER FILTER	INTAKE SCREEN: WATER FILTER / METAL SCREEN																			
5		03/27/23	PRESSURIZING VESSELS	SALT WATER FILTER	INTAKE LINE: SALT WATER, GARDEN HOSE																			
6		03/27/23	PRESSURIZING VESSELS	SALT WATER FILTER	PRODUCT LINE: FRESH WATER																			
7		03/27/23	PRESSURIZING VESSELS	SALT WATER FILTER	FILTER: SALT WATER MEMBRANE																			
8		03/27/23	PRESSURIZING VESSELS	SALT WATER FILTER	FILTER: STAINLESS STEEL HOUSING																			
9		03/27/23	PRESSURIZING VESSELS	SALT WATER FILTER	MOUNTING PLATE: MCM PERFORATED PANEL																			
10		03/27/23	PRESSURIZING VESSELS	SALT WATER FILTER	BUTTONS TO PUMP POWER ADAPTER OR WIRES.																			
11		03/27/23	PRESSURIZING VESSELS	SALT WATER FILTER	5 GALLON WATER JUG LID ADAPTER																			
12		03/27/23	PRESSURIZING VESSELS	SALT WATER FILTER	5 GALLON WATER JUG																			
13		03/27/23	PRESSURIZING VESSELS	5 GAL WATER PUMP AND MACERATOR	ELECTRIC MOTOR – WHEEL																			
14		03/27/23	PRESSURIZING VESSELS	5 GAL WATER PUMP AND MACERATOR	CORD FOR DC																			
15		03/27/23	PRESSURIZING VESSELS	5 GAL WATER PUMP AND MACERATOR	CORD FOR AC																			
16		03/27/23	PRESSURIZING VESSELS	5 GAL WATER PUMP AND MACERATOR	INVERTER																			
17	006	03/27/23	PRESSURIZING VESSELS	5 GAL WATER PUMP AND MACERATOR	ON/OFF SWITCH																			
18		03/27/23	PRESSURIZING VESSELS	5 GAL WATER PUMP AND MACERATOR	RESET FOR JAM																			
19		03/27/23	PRESSURIZING VESSELS	5 GAL WATER PUMP AND MACERATOR	BOTTOM HOUSING																			
20		03/27/23	PRESSURIZING VESSELS	5 GAL WATER PUMP AND MACERATOR	TOP HOUSING																			
21		03/27/23	PRESSURIZING VESSELS	5 GAL WATER PUMP AND MACERATOR	BLADE ROTOR																			
22		03/27/23	PRESSURIZING VESSELS	5 GAL WATER PUMP AND MACERATOR	CAPS																			
23		03/27/23	PRESSURIZING VESSELS	5 GAL WATER PUMP AND MACERATOR	MACHINE BOLTS																			
24	002	03/27/23	PRESSURIZING VESSELS	RUBBER REPAIR (HYDRATION BAG)	LONG NECK CLAMP																			
25	002	03/27/23	PRESSURIZING VESSELS	RUBBER REPAIR (HYDRATION BAG)	RUBBER SHEET WITH ADHESIVE																			
26	002	03/27/23	PRESSURIZING VESSELS	RUBBER REPAIR (HYDRATION BAG)	OUTER PAD (METAL WITH NONSTICK)																			
27	002	03/27/23	PRESSURIZING VESSELS	RUBBER REPAIR (HYDRATION BAG)	INNER PAD (FIBERGLASS)																			
28		03/27/23	PRESSURIZING VESSELS	FUEL & WATER TANK	TANKS: LIQUID AND GAS – STANDARD WATER BOTTLES: NALGENE, H2, YETI, ETC.																			
29	002	03/27/23	PRESSURIZING VESSELS	TANK LID	LIDS: STAINLESS STEEL: NALGENE, MASON, YETI, H2 – DRILLED FOR .5" NPT OR .5" PPT THREADS																			
30		03/27/23	PRESSURIZING VESSELS	ADAPTER	ADAPTERS: EXISTING ADAPTERS SOLD FOR .5" NPT THREADS																			
31		03/27/23	PRESSURIZING VESSELS	TANK HOLDER	VERTICAL TANK HOLDER – FOR STERNO, GAS, OR ELECTRIC																			



PERFORATING PANELS – KITS & PARTS  
LAST UPDATED: 2022.12.31

LAST UPDATED	WEBSITE SECTION	COMPANY	KITS ASSOCIATED WITH	SELECTED	PART – GENERIC NAME	PART – SPECIFIC NAME	UNITS	PART SIZE A	UNITS	PART SIZE B	UNITS	PART SIZE C	PART SIZE A	PART SIZE B	PART SIZE C	PART WEIGHT	QUANTITY PER KIT	UNIT PRICE (NO TAX)	MANUFACTURER	LINK TO MFCTR	RETAILER	LINK TO RETAIL	WARRANTY	NOTES
1	04/28/23	BUILDING A BOAT	COT	O	POLES : 5" ALLTHREAD																			FOR COL D –
2		BUILDING A BOAT	COT	O	POLES: 1" SLEEVE OR SOMETHING ELSE THAT WILL NOT BEND WHEN OVER 6'																			
3		BUILDING A BOAT	COT	O	5" NUTS & WASHERS																			
4	04/28/23	BUILDING A BOAT	COT	X	PERFORATED PANEL																			
5	04/28/23	BUILDING A BOAT	COT	X	SHEET																			
6	04/28/23	BUILDING A BOAT	COT	X	SHEET TIGHTENER – LINE OR RATCHET STRAP																			
7																								
8	04/28/23	BUILDING A BOAT	DESK	X	PERFORATED PANEL																			
9	04/28/23	BUILDING A BOAT	DESK	X	5" ALLTHREAD																			
10	04/28/23	BUILDING A BOAT	DESK	X	FLOOR STANDS / CAPS																			
11	04/28/23	BUILDING A BOAT	DESK	X	5" NUTS AND WASHERS																			
12	04/28/23																							
13	04/28/23	BUILDING A BOAT	HAND TRUCK / DOLLY	X	PERFORATED PANEL																			
14	04/28/23	BUILDING A BOAT	HAND TRUCK / DOLLY	X	WHEEL BLOCKS																			
15	04/28/23	BUILDING A BOAT	HAND TRUCK / DOLLY	X	WHEELS AND AXLES																			
16		BUILDING A BOAT	HAND TRUCK / DOLLY	X	LOWER ANGLE / SHIM																			
17		BUILDING A BOAT	HAND TRUCK / DOLLY	X	HIGH HANDLE																			
18																								
19	04/28/23	BUILDING A BOAT	DISPLAY BOARD	X	BOX – BOLT ON, MILKE CRATE OR OTHER																			
20		BUILDING A BOAT	DISPLAY BOARD	X	SHEETMETAL OR WOOD CARDHOLDER																			
21		BUILDING A BOAT	DISPLAY BOARD	X	5" ALLTHREAD PEG																			
22		BUILDING A BOAT	DISPLAY BOARD	X	MAGNETS																			
23																								
24		BUILDING A BOAT	WAGON TANK	X	LOWER ANGLE / SHIM																			
25		BUILDING A BOAT	WAGON TANK	X	RIGHT THROTTLE																			
26		BUILDING A BOAT	WAGON TANK	X	LEFT THROTTLE																			
27		BUILDING A BOAT	WAGON TANK	X	ELECTRIC MOTOR – WHEEL																			
28	04/28/23	BUILDING A BOAT	WAGON TANK	X	RECLINING AND SLIDING SEAT																			
29		BUILDING A BOAT	WAGON TANK	X	CAR BATTERY																			
30		BUILDING A BOAT	WAGON TANK	X	CAR BATTERY HOLDER																			
31																								
32	04/28/23	BUILDING A BOAT	BENCH / SHELVES / ENTERTAINMEI	X	PERFORAIED PANELS																			
33		BUILDING A BOAT	BENCH / SHELVES / ENTERTAINMEI	X	5" ALLTHREAD																			
34		BUILDING A BOAT	BENCH / SHELVES / ENTERTAINMEI	X	1" SLEEVES – CUT TO SHELF HEIGHT																			
35		BUILDING A BOAT	BENCH / SHELVES / ENTERTAINMEI	X	5" NUTS AND WASHERS																			
36		BUILDING A BOAT	BENCH / SHELVES / ENTERTAINMEI	X	FLOOR STANDS / CAPS																			
37		BUILDING A BOAT	BENCH / SHELVES / ENTERTAINMEI	X	SHELF TOP – SHEETMETAL, WOOD, VENEER, GLASS, ETC.																			
38	04/28/23																							
39		BUILDING A BOAT	LUGGAGE RACK																					
40		BUILDING A BOAT	LUGGAGE RACK																					
41	04/28/23	BUILDING A BOAT	LUGGAGE RACK																					
42		BUILDING A BOAT	LUGGAGE RACK																					
43																								
44																								
45	04/28/23	BUILDING A BOAT	ELECTRIFIED SIGN BACK	X	PERFORATED PANEL																			
46	04/28/23	BUILDING A BOAT	ELECTRIFIED SIGN BACK	X	HANGAR																			
47	04/28/23	BUILDING A BOAT	ELECTRIFIED SIGN BACK	X	AC TO DC POWER PLUG																			
48	04/28/23	BUILDING A BOAT	ELECTRIFIED SIGN BACK	X	NEON TUBING																			
49	04/28/23	BUILDING A BOAT	ELECTRIFIED SIGN BACK	X	POWERED .5" BUTTON / PLUG																			
50	04/28/23	BUILDING A BOAT	ELECTRIFIED SIGN BACK	X	WIRED HEATER AND INSULATED SLEEVE																			
51																								
52	04/28/23	BUILDING A BOAT	STRETCHER	X	PERFORATED PANELS																			
53	04/28/23	BUILDING A BOAT	STRETCHER	X	SPLICE PLATES																			
54	04/28/23	BUILDING A BOAT	STRETCHER	X	ROPE HANDLES																			
55	04/28/23	BUILDING A BOAT	STRETCHER	X	STRAPS																			
56																								
57																								
58	04/28/23	BUILDING A BOAT			PROPANE & ELECTRIC HYBRID BIKE & TUBE CARRY																			FABRICATION –FOR
59																								
60	04/28/23	BUILDING A BOAT	DECK PANEL		WAFER BOARD: WALL AND SOLAR PANEL BACKING																			FABRICATION –FOR
61	04/28/23	BUILDING A BOAT	DECK PANEL		FIBERGLASS POLE HOLDER																			
62	04/28/23	BUILDING A BOAT	RECURBENT BICYCLE																					
63	04/28/23	BUILDING A BOAT	BACKPACK FRAME;		METAL COMPOSITE METAL OR WOOD PANEL, STRAP ATTACHMENTS (4), SHOULDER STRAPS (2), WAIST STRAP (1)																			
64	04/28/23	BUILDING A BOAT	WHEELS		WHEEL BLOCKS (4), WHEELS (EITHER: BIKE, SKATEBOARD, SCOOTER, OR SMALL INFLATABLE (DISABILITY SCOOTER)																			
65	04/28/23	BUILDING A BOAT	STRETCHER		MCM PANEL (3), HANDLE ATTACHMENT (6), HANDLE (6), SPLICATE PLATE (2), TIE DOWN STRAPS (3)																			

IN MODEL:

PURCHASED & ASSEMBLED:

HULL - APPROXIMATELY 16' - A  
HULL - APPROXIMATELY 16' - B  
WINDSURFING MAST AND SAIL - A  
WINDSURFING MAST AND SAIL - B  
OUTBOARD MOTOR  
CENTER NET  
COT NET & TENSIONER - A  
COT NET & TENSIONER- B  
PELICAN CASE - BATTERY  
PELICAN CASE - HYDRAULIC PUMP AND  
SOLENOID MANIFOLD  
PELICAN CASE - (STORAGE) FOOD  
PELICAN CASE - (STORAGE) WATER  
HOBIE FIN KIT (EXTENDED FINS)  
MAIN SHEET TRAVELER RAIL & CASSETTE

MANUFACTURED:

SLIDING AND RECLINING SEAT 1 - CHANGE  
TUBE DIAMETER FOR HANDS, ADD CAN  
ATTACHMENT, BOLT TO BEAM AND SLIDE. - A  
SLIDING AND RECLINING SEAT - B  
MAST MOUNT AND 2 AXIS PIVOT - A  
MAST MOUNT AND 2 AXIS PIVOT - B  
HOBIE FIN BOX  
BEAM END CAP - A  
BEAM END CAP - B  
DUAL RUDDER ON PIVOT WITH PEDALS FOR  
STEERING  
HYDRAULIC HIGH ARMS (2) - A  
HYDRAULIC HIGH ARMS (2) - B  
LOW ARMS - A  
LOW ARMS - B  
LOW ARM BEAM ATTACHMENT & PIVOT (2) - A  
(CHANGE TO PIVOT FOR HYDRAULICS?)  
LOW ARM BEAM ATTACHMENT & PIVOT (2) - B  
(CHANGE TO PIVOT FOR HYDRAULICS?)  
PERFORATED PANEL LANDING PAD - A  
PERFORATED PANEL LANDING PAD - B  
PERFORATED PANEL HINGE - A  
PERFORATED PANEL HINGE - B  
TRAVELER RAIL MOUNTING PLATE  
CENTER ARM BEAM ATACHMENT

LOW CENTER ARM

HULL CENTER ARM ATTACHMENT (PIVOT @ HULL)  
(2)  
CENTER BEAM - PERFORATED WITH HOLES BELOW  
AT 2' AND 4 PIN

ALTERNATES:

HYDROFOIL/SLED  
BICYCLE WHEEL PADDLES

TO BE MODELED:

PURCHASED:

MAINSHEET - A  
MAINSHEET - B  
MAINSHEET CLEAT - A  
MAINSHEET CLEAT - B  
ELECTRICAL CONTROLS - HYDRAULICS  
HYDRAULIC LINES  
MAST HYDRAULIC ARM/PIVOT  
RUDDER HYDRAULICS ARM/PIVOT

MANUFACTURED:

PELICAN CASE LOCK AND ELECTRICITY  
CONNECTION  
LUGGAGE RAIL CLAWS  
HIGH ARM BEAM ATTACHMENT & PIVOT (2) - A  
HIGH ARM BEAM ATTACHMENT & PIVOT (2) - B  
HULL ARM ATTACHMENT (4) - A  
HULL ARM ATTACHMENT (4) - B  
MAINSHEET CLEAT MOUNTING PLATE - A  
MAINSHEET CLEAR MOUNTING PLATE - B  
AUTOPILOT COMPUTER

LUGGAGE RAILS:

STANDARD LUGGAGE RAILS (BY OTHERS)  
MAST AND SAILBAG TUBE  
SHOWER TUBE

UPCOMING DESIGN UPDATES

1. RUDDER SHAPE / SIZE WHILE MAINTAINING  
ABILITY TO KICK UP
2. NET AT CENTER - RAISE/LOWER (FOR  
SWIMMING, FISHING, CATCHING OVERBOARD  
TOOLS)
3. SEAT SLIDE ATTACHMENT - DIFFERENT HAND  
SIZES, SLIDING SEAT FOR DIFFERENT LEG  
SIZES
4. BEAM PERFORATION - LAYOUT OF .5 INCH  
HOLES ON A 2"X2" GRID (FOR ATTACHING  
PARTS & LOWERING WEIGHT)
4. FIBERGLASS RODS - SHADE
5. SEAT - SLIDE AND NET ATTACHMENT,  
HANDLES AT SIDE ARE TAPERED
6. SAIL AND MAST STOW WITHIN BOAT
7. PEDAL FOOT STRAPS
8. SOLAR PANELS ON HULL - WIRING TO MAIN  
BATTERY
- 9A. BALLAST BAGS, AIR PUMPS, AIR TANK,  
WATER PUMP
- 9B. HYDROGEN PRODUCTION IN LIEU OF AIR
10. HYDROGEN INTAKE ON COMBUSTION ENGINE



I AM BUILDING A BOAT – KITS & PARTS  
LAST UPDATED: 2022.12.31

BOAT

LAST UPDATED	WEBSITE SECTION	COMPANY	KITS ASSOCIATED WITH	SELECTED	PART – GENERIC NAME	PART – SPECIFIC NAME	UNITS	PART SIZE A	PART SIZE B	PART SIZE C	PART SIZE A	PART SIZE B	PART SIZE C	PART WEIGHT	QUANTITY PER KIT	UNIT PRICE (NO TAX)	MANUFACTURER	LINK TO MFCTR	RETAILER	LINK TO RETAIL	WARRANTY	NOTES
04/28/23		BUILDING A BOAT	BOAT		WAFER BOARD & INTEGRATED LOW VOLTAGE CIRCUIT																	FABRICATION – FOR VENDING MACHINE
04/28/23		BUILDING A BOAT	BOAT		WAFER BOARD HIGH VOLTAGE TRIM																	FABRICATION – FOR VENDING MACHINE
04/28/23		BUILDING A BOAT	BOAT		PNEUMATICS : QUICK DISCONNECT																	
04/28/23		BUILDING A BOAT	BOAT		PNEUMATICS : ELECTRIC AIR PUMP																	PROCUREMENT
04/28/23		BUILDING A BOAT	BOAT		PNEUMATICS : VALVE ASSEMBLY																	PROCUREMENT
04/28/23		BUILDING A BOAT	BOAT		PNEUMATICS : HOSES																	
04/28/23		BUILDING A BOAT	BOAT		PNEUMATICS : BULKHEADS @ DRY BAGS																	
04/28/23		BUILDING A BOAT	BOAT		BILGE/FLOOD: ELECTRIC WATER PUMP																	
04/28/23		BUILDING A BOAT	BOAT		BILGE/FLOOD: EMERGENCY MANUAL WATER PUMP																	
04/28/23		BUILDING A BOAT	BOAT		ELECTRICAL : PROP & ALTERNATOR ON LINE (TOW BEHIND)																	
04/28/23		BUILDING A BOAT	BOAT		ELECTRICAL : PELICAN BOX																	
04/28/23		BUILDING A BOAT	BOAT		ELECTRICAL : AGM BATTERY																	
04/28/23		BUILDING A BOAT	BOAT		ELECTRICAL : SOLAR CHARGER																	
04/28/23		BUILDING A BOAT	BOAT		ELECTRICAL : PELICAN BOX BULKHEAD TO PERFORATED PANEL BOLT ATTACHMENT .																	
04/28/23		BUILDING A BOAT	BOAT		PEDAL DRIVE & FINS : HOBIE																	
04/28/23		BUILDING A BOAT	BOAT		COMPUTERS: PIXHAWK OR 96BOARDS. BASIC AUTOPILOT, SOLENOID CONTROL, OPTION FOR GPS INPUT AND OBJECT AVOIDANCE																	PRODUCT
04/28/23		BUILDING A BOAT	BOAT		COMPUTERS: MOTOR CONTROLLERS – ELECTRONIC SPEED CONTROL																	
04/28/23		BUILDING A BOAT	BOAT		COMPUTERS : COMPASS, RADAR, DEPTH (STANDARD BOAT AUTOMATION), SLAM BY LIDAR TO HONE IN ON AREAS FOUND WHILE UNDER WAY.																	PROCUREMENT
04/28/23		BUILDING A BOAT	BOAT		TANKS : LARGE STAINLESS WATER BOTTLES, COATED WITH 2 PART EPOXY																	PROCUREMENT
04/28/23	005.A :	BUILDING A BOAT	BOAT		TANKS : .5" NPT LIDS & BRAIDED LINES																	PROCUREMENT
04/28/23		BUILDING A BOAT	BOAT		ENGINE : OUTBOARD (GAS) – COMBUSTION																	PROCUREMENT
04/28/23		BUILDING A BOAT	BOAT		ENGINE : OUTBOARD (ELECTRIC) – TROLLING																	
04/28/23		BUILDING A BOAT	BOAT		ENGINE : OUTBOARD (GAS) – ALTERNATIVE FUEL INTAKE (ELECTRONIC FUEL MANAGEMENT SYSTEM)																	
04/28/23	005.A –	BUILDING A BOAT	BOAT		BRACKETS: HINGE TO PERFORATED PANEL																	PROCUREMENT
04/28/23		BUILDING A BOAT	BOAT		BRACKETS: BOW WINDSURFING SAIL MOUNTING PLATE AND SWIVEL																	
04/28/23		BUILDING A BOAT	BOAT		BRACKETS: BOW HOBIE PEDAL BOX																	
04/28/23		BUILDING A BOAT	BOAT		BRACKETS: BOW CAP																	
04/28/23		BUILDING A BOAT	BOAT		BRACKETS: STERN CAP, SWIVEL, MOTOR, AND PEDAL MOUNT																	
04/28/23		BUILDING A BOAT	BOAT		BRACKETS: DECK PLATE & T WITH MOUNTING HOLE																	
04/28/23		BUILDING A BOAT	BOAT		POLES: 1" SOCKET																	
04/28/23		BUILDING A BOAT	BOAT		POLES: 1" DIAMETER																	
04/28/23		BUILDING A BOAT	BOAT		HYDRAULICS: PUMP																	
04/28/23		BUILDING A BOAT	BOAT		HYDRAULICS: LINES & QUICK DISCONNECTS																	
04/28/23		BUILDING A BOAT	BOAT		HYDRAULICS: ROTARY ACTUATOR																	
04/28/23		BUILDING A BOAT	BOAT		HYDRAULICS: PISTON																	
04/28/23		BUILDING A BOAT	BOAT		SAILS : WINDSURFING SAILS AND MAST (LAY DOWN BY HYDRAULICS AT JOINT OR ROLLER FURLER, DROP FORWARD FOR BEACHING AND USE AS WINDBREAK FOR CAMP.																	PRODUCT
04/28/23		BUILDING A BOAT	BOAT		SAILING: MAST																	PRODUCT
04/28/23		BUILDING A BOAT	BOAT		SAILING: WINDSURFING SAIL WITH BATTONS																	PRODUCT
04/28/23		BUILDING A BOAT	BOAT		SAILING: BOTTOM BRACKET																	
04/28/23		BUILDING A BOAT	BOAT		HULL: PORT																	
04/28/23		BUILDING A BOAT	BOAT		HULL: STARBOARD																	
04/28/23		BUILDING A BOAT	BOAT		CENTER HULL: 10' 4"x4" PERFORATED ALUMINUM TUBE																	
04/28/23		BUILDING A BOAT	BOAT		RECLINING AND SLIDING SEAT																	





BOAT



I AM BUILDING A BOAT – KITS & PARTS  
LAST UPDATED: 2022.12.31

LAST UPDATED	WEBSITE SECTION	COMPANY	KITS ASSOCIATED WITH	SELECTED	PART – GENERIC NAME	PART – SPECIFIC NAME	UNITS	PART SIZE A	PART SIZE B	PART SIZE C	PART SIZE A	PART SIZE B	PART SIZE C	PART WEIGHT	QUANTITY PER KIT	UNIT PRICE (NO TAX)	MANUFACTURER	LINK TO MFCTR	RETAILER	LINK TO RETAIL	WARRANTY	NOTES
04/28/23		BUILDING A BOAT	BOAT		DUAL RUDDER – TILT UP																	
04/28/23		BUILDING A BOAT	BOAT		CENTER NET – FISHING (MUST RAISE/LOWER), TOOL CATCH, SWIMMING / LOUNGING IN WATER (COOLER)																	
04/28/23		BUILDING A BOAT	BOAT		PORT NET – COT FABRIC																	
04/28/23		BUILDING A BOAT	BOAT		STARBOARD NET – COT FABRIC																	
					COT TENSIONER																	
04/28/23		BUILDING A BOAT	BOAT		ACCESSORY: JET DRIVE																	FABRICATION – FOR VENDING MACHINE
04/28/23		BUILDING A BOAT	BOAT		ACCESSORY: SLURRY PUMP																	
04/28/23		BUILDING A BOAT	BOAT		ACCESSORY: ALTERNATOR																	
04/28/23		BUILDING A BOAT	BOAT		ACCESSORY: BEACH COMB / SAND AND DIRT BUCKET																	
04/28/23		BUILDING A BOAT	BOAT		ACCESSORY: SIDE NET LAUNCHER																	



SHEET NUMBER:  
PART:

[illegible]

SHEET NUMBER:  
PART:

VENDING & STOREFRONTS – KITS & PARTS  
LAST UPDATED: 2022.12.31

LAST UPDATED	WEBSITE SECTION	COMPANY	KITS ASSOCIATED WITH	SELECTED	PART – GENERIC NAME	PART – SPECIFIC NAME	UNITS	PART SIZE A	UNITS	PART SIZE B	UNITS	PART SIZE C	PART SIZE A	PART SIZE B	PART SIZE C	PART WEIGHT	QUANTITY PER KIT	UNIT PRICE (NO TAX)	MANUFACTURER	LINK TO MFG	LINK TO RETAIL	WARRANTY	NOTES
03/27/23		BASIC NEEDS & CAMPING	VENDING MACHINE	O	5 GALLON BUCKET DISPENSER																		CUSTOM VENDING MACHINES (SECURED FOR SALES)
03/27/23		BASIC NEEDS & CAMPING	VENDING MACHINE	O	BIKE PUMP AND REPAIR STATION																PRODUCT		
03/27/23		BASIC NEEDS & CAMPING	VENDING MACHINE	X	OVERHEAD SHADE / TRELLIS																PRODUCT		
03/27/23		BASIC NEEDS & CAMPING	VENDING MACHINE	O	WIFI																PRODUCT		
03/27/23		BASIC NEEDS & CAMPING	VENDING MACHINE	O	WATER REFILL – 1 GALLON, 5 CENTS. ACCEPT PESOS																PRODUCT		
03/27/23		BASIC NEEDS & CAMPING	VENDING MACHINE	O	E INK READER WITH EMAIL LOGIN																		
03/27/23		BASIC NEEDS & CAMPING	VENDING MACHINE	O	AREA LIGHT																		
03/27/23		BASIC NEEDS & CAMPING	VENDING MACHINE	O	ANTENNAE																		
03/27/23		BASIC NEEDS & CAMPING	VENDING MACHINE	O	USB CHARGE																SERVICE		
03/27/23		BASIC NEEDS & CAMPING	VENDING MACHINE	O	5 GALLON BUCKET DISPENSER																		CUSTOM VENDING MACHINES (SECURED FOR SALES)
03/27/23		BASIC NEEDS & CAMPING	VENDING MACHINE	O	BIKE PUMP AND REPAIR STATION																PRODUCT		
03/27/23		BASIC NEEDS & CAMPING	VENDING MACHINE	X	OVERHEAD SHADE / TRELLIS																		
03/27/23		BASIC NEEDS & CAMPING	MAP	O	MENU MAP OF AREA (WATERPROOF)																		
03/27/23		BASIC NEEDS & CAMPING	CONSUMABLE	X	GRAPH PAPER																		
03/27/23		BASIC NEEDS & CAMPING	CONSUMABLE	X	NEON PAPER																		
03/27/23		BASIC NEEDS & CAMPING	CONSUMABLE	X	WATERPROOF INDEX CARDS – 10 CENTS EACH, OR REGULAR IN PLASTIC JAR																		FOR COLD & WORK –
03/27/23		BASIC NEEDS & CAMPING	CONSUMABLE	X	WATERPROOF PAPER – FOR FLYERS & BUSINESS CARD PRINTS																		
03/27/23		BASIC NEEDS & CAMPING	CONSUMABLE	O	PANTY HOSE (WATER FILTER OR OTHER MESH – FISHING BAIT)																PRODUCT		
03/27/23		BASIC NEEDS & CAMPING	CONSUMABLE	X	WATER PURIFICATION TABLETS																PRODUCT		
03/27/23		BASIC NEEDS & CAMPING	CONSUMABLE	X	LARGE PLASTIC BAGS – HEAVY DUTY																PRODUCT		
03/27/23		BASIC NEEDS & CAMPING	CONSUMABLE	X	TIE WIRE																PRODUCT		
03/27/23		BASIC NEEDS & CAMPING	CONSUMABLE	X	BLEACH																PRODUCT		
03/27/23		BASIC NEEDS & CAMPING	CONSUMABLE	O	MATCHES																		
03/27/23		BASIC NEEDS & CAMPING	CONSUMABLE	X	LIGHTER – BUTANE, TORCH NOT OPEN FLAME (FOR WIND); 8 1/2 TORCH LIGHTER																		
03/27/23		BASIC NEEDS & CAMPING	CONSUMABLE	O	FIRE STARTER – WAX AND SAWDUST IN EGG CRATE																		
03/27/23		BASIC NEEDS & CAMPING	CONSUMABLE	X	SHARPIE – FINE																		
03/27/23		BASIC NEEDS & CAMPING	CONSUMABLE	X	SHARPIE – REGULAR																		
03/27/23		BASIC NEEDS & CAMPING	CONSUMABLE	O	SCREWS																		
03/27/23		BASIC NEEDS & CAMPING	CONSUMABLE	XO	DRILL BITS																		
03/27/23		BASIC NEEDS & CAMPING	CLOTHING	X	SHOES – XS S M L XL XXL WATER SHOES – FOR SWEATING WITHOUT SOCKS AND USE IN WATER (GYM / LAKE / OCEAN)																		
03/27/23		BASIC NEEDS & CAMPING	CLOTHING	X	SANDALS / RUBBERIZED SOCKS – HOUSE WEAR, SLIP ON																		
03/27/23		BASIC NEEDS & CAMPING	CLOTHING	X	QUALITY LEATHER WORK BOOTS – ANKLE SUPPORT, GOOD SOLE, STANDING AND WALKING, HEAVY WEAR																		
03/27/23		BASIC NEEDS & CAMPING	CLOTHING	O	SLEEPING SOCKS – XS S M L XL XXL																		
03/27/23		BASIC NEEDS & CAMPING	CLOTHING	X	REGULAR MEDIUM THICKNESS SOCKS – XS S M L XL XXL																		
03/27/23		BASIC NEEDS & CAMPING	CLOTHING	O	LIGHTWEIGHT HOODIE OR GATOR & LIGHTWEIGHT LONG SLEEVE – XS S M L XL XXL																		FROM CAR – IDENTIFY MOST USEFUL
03/27/23		BASIC NEEDS & CAMPING	CLOTHING	O	SHORT SHORTS W/ LINERS (MESH PREFERRED) – XS S M L XL XXL																		WALKING, ESPECIALLY WHEN HOT OR WET
03/27/23		BASIC NEEDS & CAMPING	CLOTHING	X	SLEEVELESS SHIRT (TANK TOP) – XS S M L XL XXL																		SMALL SELECTION OF SIZES
03/27/23		BASIC NEEDS & CAMPING	CLOTHING	X	POLO (SWEAT WICKING) – XS S M L XL XXL																		FOR WORK –
03/27/23		BASIC NEEDS & CAMPING	CLOTHING	O	LEGGINGS – XS S M L XL XXL																		FOR COLD : SMALL SELECTION OF SIZES
03/27/23		BASIC NEEDS & CAMPING	CLOTHING	X	LIGHT WEIGHT PANTS – XS S M L XL XXL (LONGER LENGTH)																		
03/27/23		BASIC NEEDS & CAMPING	CLOTHING	X	GATOR – FOR COLD, SUN, MASK, EYE COVER FROM LIGHT, ETC.																		COLD WEATHER
03/27/23		BASIC NEEDS & CAMPING	CLOTHING	X	SUNGLASSES – 1 GENERIC BRAND, BLACK, WAYFARE STYLE OR WRAPS																		SHORTS, SWIM TRUNKS, HOT WEATHER
03/27/23		BASIC NEEDS & CAMPING	CLOTHING	X	LEATHER BELT WITH DOUBLE HOLES AROUND ENTIRE LENGTH (SIZE 44+) CUT TO DESIRED LENGTH)																		SMALL SELECTION OF SIZES
03/27/23		BASIC NEEDS & CAMPING	CLOTHING	O	HAT WITH GOOD BRIM – SUN OFF NECK AND EARS (ALTERNATE TO GATOR)																		SMALL SELECTION OF SIZES
03/27/23		BASIC NEEDS & CAMPING	FOOD & WATER	O	NUTS																PRODUCT		
03/27/23		BASIC NEEDS & CAMPING	FOOD & WATER	O	DRIED MEAT: SALAME, JERKY, CHICKEN, SQUID, ETC.																		
03/27/23		BASIC NEEDS & CAMPING	FOOD & WATER	O	PEANUT BUTTER																		
03/27/23		BASIC NEEDS & CAMPING	FOOD & WATER	O	VITAMIN WATER																		
03/27/23		BASIC NEEDS & CAMPING	FOOD & WATER	O	ALMONDS																		
03/27/23		BASIC NEEDS & CAMPING	FOOD & WATER	O	TRAILMIX – LESS CHOCOLATE																		CUSTOM VENDING MACHINES (SECURED FOR SALES)
03/27/23		BASIC NEEDS & CAMPING	FOOD & WATER	X	PEANUT BUTTER IN VARIOUS SIZE PLASTIC JARS																		CUSTOM VENDING MACHINES (SECURED FOR SALES)
03/27/23		BASIC NEEDS & CAMPING	FOOD & WATER	X	HONEY : SMALL SQUEEZE JAR (FOR LEMON TEA)																		CUSTOM VENDING MACHINES (SECURED FOR SALES)
03/27/23		BASIC NEEDS & CAMPING	FOOD & WATER	X	PASTA																		
03/27/23		BASIC NEEDS & CAMPING	FOOD & WATER	X	DEHYDRATED POTATOES																		
03/27/23		BASIC NEEDS & CAMPING	FUEL	X	SMALL PROPANE CYLINDERS (OR ELECTRIC BOILER)																		
03/27/23		BASIC NEEDS & CAMPING	FUEL	X	BUTANE REFILL CANISTER																		
03/27/23		BASIC NEEDS & CAMPING	HARDWARE	O	SCREWS – PHILIPS HEAD																		
03/27/23		BASIC NEEDS & CAMPING	HARDWARE	O	BOLTS																		
03/27/23		BASIC NEEDS & CAMPING	SHELTER	X	SMALL TARP																		FOR: RAIN, CLEAN LAYOUT OF EQUIPMENT, WARMTH
03/27/23		BASIC NEEDS & CAMPING	SHELTER	XO	SARAPE WITH TARP SEWN TO IT AND VELCRO AT SIDES OR OTHER BLANKET. IDEALL WITH DUAL USE AS GROUND COVER. 10'X3'																		
03/27/23		BASIC NEEDS & CAMPING	SHELTER	X	SLEEPING BAG																		HEAT RETENTION, ABILITY TO SLEEP ON GROUND
03/27/23		BASIC NEEDS & CAMPING	SHELTER	XO	BLANKET – WITH HEAVY TARP BUTTON OR ZIPPED TO.																		
03/27/23		BASIC NEEDS & CAMPING	TOILETRIES	X	CALAMINE LOTION																		
03/27/23		BASIC NEEDS & CAMPING	TOILETRIES	X	ADVIL																		
03/27/23		BASIC NEEDS & CAMPING	TOILETRIES	X	SUNSCREEN																PROCUREMENT		
03/27/23		BASIC NEEDS & CAMPING	TOILETRIES	X	COCONUT OIL																		
03/27/23		BASIC NEEDS & CAMPING	TOILETRIES	O	LIP BALM																		
03/27/23		BASIC NEEDS & CAMPING	TOILETRIES	X	DEODORANT																		



VENDING & STOREFRONTS – KITS & PARTS  
LAST UPDATED: 2022.12.31

BASIC NEEDS

LAST UPDATED	WEBSITE SECTION	COMPANY	KITS ASSOCIATED WITH	SELECTED	PART – GENERIC NAME	PART – SPECIFIC NAME	UNITS	PART SIZE A	UNITS	PART SIZE B	UNITS	PART SIZE C	PART SIZE A	PART SIZE B	PART SIZE C	PART WEIGHT	QUANTITY PER KIT	UNIT PRICE (NO TAX)	MANUFACTURER	LINK TO PFCTR	RETAILER	LINK TO RETAIL	WARRANTY	NOTES
03/27/23		BASIC NEEDS & CAMPING	TOILETRIES	X	WET WIPES																			
03/27/23		BASIC NEEDS & CAMPING	TOILETRIES	X	SOAP																			
03/27/23		BASIC NEEDS & CAMPING	TOILETRIES	X	FOOT POWDER																			
03/27/23		BASIC NEEDS & CAMPING	TOILETRIES	X	HAND SANITIZER																PRODUCT			
03/27/23		BASIC NEEDS & CAMPING	TOILETRIES	X	VASELINE																PRODUCT			
03/27/23		BASIC NEEDS & CAMPING	TOILETRIES	X	LIQUID SOAP																			WASHING CLOTHES > WASHING BODY
			TOILETRIES	X	STANDARD TOOTHBRUSH																			
03/27/23		BASIC NEEDS & CAMPING	TOILETRIES	O	ELECTRIC TOOTHBRUSH – SONICARE (CHEAPEST, AND REAL CLEANING FREQUENCY)																			
03/27/23		BASIC NEEDS & CAMPING	TOILETRIES	X	FLOSS																			
03/27/23		BASIC NEEDS & CAMPING	TOILETRIES	X	TOOTHPASTE – LARGER ONE (CLEAR – MUST SEE INSIDE FOR REFILLING WITH XYZ)																			
03/27/23		BASIC NEEDS & CAMPING	TOILETRIES	X	RAZOR PACKS – GILLET MACH 3 – RAZORS LAST MUCH LONGER																			
03/27/23		BASIC NEEDS & CAMPING	TOILETRIES	X	RAZOR TRAVEL KIT – VENUS: LIGHTER																			
03/27/23		BASIC NEEDS & CAMPING	TOILETRIES	X	NAIL CLIPPERS WITH KNIFE																			
03/27/23		BASIC NEEDS & CAMPING	TOILETRIES	X	TWEEZERS, FAT EDGE – NOSE																			
03/27/23		BASIC NEEDS & CAMPING	TOILETRIES	O	MANUAL HAIR CLIPPER – GROIN, ARMPITS, HEAD, EYEBROWS																			NEED A LIGHTWEIGHT USB CORD OPTION
03/27/23		BASIC NEEDS & CAMPING	KITCHEN	XO	TUBING																			
03/27/23		BASIC NEEDS & CAMPING	KITCHEN	O	PROPANE STOVE																			
03/27/23		BASIC NEEDS & CAMPING	KITCHEN	X	LONG SPOON – STANDARD TEASPOON END (FOR DEEP JARS)																			
03/27/23		BASIC NEEDS & CAMPING	KITCHEN	X	VACUUM SEALED BOTTLE – XL (IDEALLY WITH CUP)																			
03/27/23		BASIC NEEDS & CAMPING	KITCHEN	X	CONTAINER TO BOIL WATER IN (NOT VACUUM SEALED)																			
03/27/23		BASIC NEEDS & CAMPING	KITCHEN	X	LONG SPOON – STANDARD TEASPOON END (FOR DEEP JARS)																			
03/27/23		BASIC NEEDS & CAMPING	KITCHEN	X	VACUUM SEALED BOTTLE – XL (IDEALLY WITH CUP)																			
03/27/23		BASIC NEEDS & CAMPING	KITCHEN	XO	CHOP STICKS (INSTEAD OF FORK)																			
03/27/23		BASIC NEEDS & CAMPING	ELECTRICAL	X	USB C TO USB C																			
03/27/23		BASIC NEEDS & CAMPING	ELECTRICAL	O	USB C TO USB A ADAPTER																			
03/27/23		BASIC NEEDS & CAMPING	ELECTRICAL	X	SOLAR BATTERY CHARGER																			
03/27/23		BASIC NEEDS & CAMPING	ELECTRICAL	X	ELECTRIC TAPE																			
03/27/23		BASIC NEEDS & CAMPING	TOOL	X	SAFETY SCISSORS																			
03/27/23		BASIC NEEDS & CAMPING	TOOL	X	LARGE HOLE NEEDLES FOR FISHING LINE																			
03/27/23		BASIC NEEDS & CAMPING	TOOL	X	FISHING LINE																			
03/27/23		BASIC NEEDS & CAMPING	TOOL	X	COMPASS																			
03/27/23		BASIC NEEDS & CAMPING	TOOL	X	WATCH – DIGITAL, CASIO, 3 ALARMS AND TIDES (HARD TO FIND A WATCH WITH MULTIPLE ALARMS LET ALONE TIDE INFORMATION AT CLOSE TO \$10)																			
03/27/23		BASIC NEEDS & CAMPING	TOOL	O	WATER FILTER – IN LINE STYLE																PRODUCT			
03/27/23		BASIC NEEDS & CAMPING	TOOL	X	5 GALLON BUCKETS & LIDS																			BACKPACK, STORAGE, WORK, FOOD : VERMIN, INSECT, AND SOME ANIMAL PROOF : KEEPS THINGS DRY.
03/27/23		BASIC NEEDS & CAMPING	TOOL	O	5 GALLON BUCKET PUMP – HEAVY DUTY																			CUSTOM VENDING MACHINES (SECURED FOR SALES)
03/27/23		BASIC NEEDS & CAMPING	TOOL	O	5" ROPE																			BELT, BACKPACK STRAPS
03/27/23		BASIC NEEDS & CAMPING	TOOL	X	GERBER KNIFE AND PLIERS																			
03/27/23		BASIC NEEDS & CAMPING	TOOL	X	BUNGIES WITH BLACK BALLS																			
03/27/23		BASIC NEEDS & CAMPING	TOOL	X	HAMMER																			
03/27/23		BASIC NEEDS & CAMPING	TOOL	X	TAPE																			
03/27/23		BASIC NEEDS & CAMPING	TOOL	X	VICE GRIPS																			
03/27/23		BASIC NEEDS & CAMPING	TOOL	X	BIKE MULTI TOOL																			
03/27/23		BASIC NEEDS & CAMPING	OPEN WATER	X	MINI HARPON SHOOTER																			
03/27/23		BASIC NEEDS & CAMPING	OPEN WATER	X	FLAT KNIFE																			
03/27/23		BASIC NEEDS & CAMPING	OPEN WATER	X	FLOATING TARGET																			
03/27/23		BASIC NEEDS & CAMPING	OPEN WATER	X	FINS																			
03/27/23		BASIC NEEDS & CAMPING	OPEN WATER	X	SPEAR FISHING LINE, 100'																			
03/27/23		BASIC NEEDS & CAMPING	OPEN WATER	X	WATER GOGGLES																			
03/27/23		BASIC NEEDS & CAMPING	OPEN WATER	XO	EAR PLUGS																			
03/27/23		BASIC NEEDS & CAMPING	CONSUMABLE	X	HEAVY DUTY PLASTIC BAGS																			HEAT RETENTION, KEEPING DEW / RAIN OFF, AND PRIVACY
03/27/23		BASIC NEEDS & CAMPING	CONSUMABLE	X	BLEACH																			CLEANING CLOTHES AND FOUND OBJECTS
03/27/23		BASIC NEEDS & CAMPING	CONSUMABLE	X	PLASTIC BAGS – GROCERY																			SEPARATION OF DIRTY FROM CLEAN, AND ORGANIZING WITHIN BUCKETS (LAYERING), CHEAP LAUNDROMAT
03/27/23		BASIC NEEDS & CAMPING	CONSUMABLE	X	TIE WIRE																			TIEING LARGER OBJECTS WITH SHARP EDGES
03/27/23		BASIC NEEDS & CAMPING	CONSUMABLE	X	BLEACH																			CLEANING CLOTHES AND FOUND OBJECTS
03/27/23		BASIC NEEDS & CAMPING	CONSUMABLE	X	WATERPROOF NOTECARDS OR REGULAR NOTECARDS IN PLASTIC JAR																			TO WRITE ON, OTHERWISE WRITE ON BUCKETS WITH THICKER SHARPIE
03/27/23		BASIC NEEDS & CAMPING	CARRY	XO	CANVAS PACK																			
03/27/23		BASIC NEEDS & CAMPING	CARRY	X	CANVAS SATCHELS																			
03/27/23		BASIC NEEDS & CAMPING	CARRY	X	CARABINERS – SM, MED, XL																			
03/27/23		BASIC NEEDS & CAMPING	CARRY	X	TOWEL BAG (WITH HOLES)																			
03/27/23		BASIC NEEDS & CAMPING	CARRY	X	COMPRESSION SACKS																			
03/27/23		BASIC NEEDS & CAMPING	CARRY	X	BAG & DRAW STRING																			
03/27/23		BASIC NEEDS & CAMPING	CAR FITOUT		YELLOW BINS																			
03/27/23		BASIC NEEDS & CAMPING	CAR FITOUT		SOLAR KIT																			
03/27/23		BASIC NEEDS & CAMPING	CAR FITOUT		SLEEPING PAD																			
03/27/23		BASIC NEEDS & CAMPING	CAR FITOUT		SLEEPING BAG																			
03/27/23		BASIC NEEDS & CAMPING	YARD	X	HOME – COLLAPSIBLE FIREPLACE 3/16IN STEEL OR METAL CAN (COFFEE GROUNDS, ETC.)																PRODUCT			





CONTRACTING

CONTRACTING AND MAINTENANCE – KITS & PARTS  
LAST UPDATED: 2022.12.31

LAST UPDATED	WEBSITE SECTION	COMPANY	KITS ASSOCIATED WITH	SELECTED	PART – GENERIC NAME	PART – SPECIFIC NAME	UNITS	PART SIZE A	UNITS	PART SIZE B	UNITS	PART SIZE C	PART SIZE A	PART SIZE B	PART SIZE C	PART WEIGHT	QUANTITY PER KIT	UNIT PRICE (NO TAX)	MANUFACTURER	LINK TO MFCTR	RETAILER	LINK TO RETAIL	WARRANTY	NOTES
1	03/27/23	CONTRACTING	DREDGING		FROM SWATH CRAFT – SMALL CRAFT DREDGING, UNMANNED SWARM																			
2	03/27/23	CONTRACTING	DRILLING		DRILL AND SLEEVEING FROM FORKLIFT																PROCUREMENT			
3	03/27/23	CONTRACTING	FARMING		HYDROPONICS – STACKED TRAYS																PROCUREMENT			
4	03/27/23	CONTRACTING	FISHING & AQUACULTURE		FROM SWATH CRAFT – SMALL CRAFT AQUACULTURE MANAGEMENT																PROCUREMENT			
5	03/27/23	CONTRACTING	HEAVY EQUIPMENT LIFTING		HIGH MAST FORKLIFT																			
6	03/27/23	CONTRACTING	LEACH MINING		LARGE AREAS – LITHIUM, SALT, ETC.																SERVICE			
7	03/27/23	CONTRACTING	MAPPING & SURVEYING (AERIAL, WATER, GROUND)		VEGETATION CONDITION, SEAFLOOR, ACTIVE VEHICLE / PERSONNEL TRACKING, MINERAL IDENTIFICATION WITHOUT SAMPLES																SERVICE			
8	03/27/23	CONTRACTING	NEON		NEON – SIGNAGE, COMPLETELY CUSTOM																SERVICE			
9	03/27/23	CONTRACTING	WELDING		WELDING – METAL WORK, COMPLETELY CUSTOM																SERVICE			





ASSEENONTV

AS SEEN ON TELEVISION – KITS & PARTS  
LAST UPDATED: 2022.12.31

LAST UPDATED	WEBSITE SECTION	COMPANY	KITS ASSOCIATED WITH	SELECTED	PART – GENERIC NAME	PART – SPECIFIC NAME	UNITS	PART SIZE A	UNITS	PART SIZE B	UNITS	PART SIZE C	PART SIZE A	PART SIZE B	PART SIZE C	PART WEIGHT	QUANTITY PER KIT	UNIT PRICE (NO TAX)	MANUFACTURER	LINK TO MFCTR	RETAILER	LINK TO RETAIL	WARRANTY	NOTES
1																								
2	03/27/23		RANDOM		FUEL TANK LINER																			
3	03/27/23		RANDOM		ELECTRONIC FUEL INTAKE																			
4	03/27/23		RANDOM		SOLAR TO HYDROGEN PANEL																			
5	03/27/23		RANDOM		WARTER & GAS MANIFOLD																			
6	03/27/23		RANDOM		TRAIL AXE / MUCK DIGGER																			
7	03/27/23		RANDOM		4" BALL MASSAGER																			
8	03/27/23		RANDOM		HOT & COLD WATER VENDING MACHINE																			
9	03/27/23		RANDOM		SQUEEGEE ROBOT																			
10	03/27/23		RANDOM		CAR SOLAR KIT																			
11	03/27/23	002.B :	RANDOM		FITNESS	MINI : BREAKING MY BALLS MASSAGER – EXERCISE BALLS – CUT IN HALF WITH VELCRO – FOR MASSAGE AND EXERCISE																		
12	03/27/23	004.H :	RANDOM		GARAGE	ENGINE LIFT GANTRY																		
13	03/27/23	002.D :	RANDOM		OPEN WATER / BEACH	FOOD : BEACH COMB & CLAM RAKE : TRAIL AXE KIT & COMMERCIAL RAKE																		
14	03/27/23		RANDOM		SWIMMING & LAUNDRY	SWIMSUIT DRYER – VIBRATORY TUMBLER AND PERFORATED CYLINDER / COLLANDER																		
15																								



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**APPENDIX D**

**GENERAL ASSURANCES**  
**/ OVERHEAD -**  
**PERSONNELL & OFFICE**

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**APPENDIX D: GENERAL ASSURANCES /OVERHEAD**

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**APPENDIX E**

**COMPETING PRODUCTS  
AND BUSINESSES**

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APPENDIX E: COMPETING PRODUCTS

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**APPENDIX F**

**BUSINESS STRATEGY  
AND ADVANTAGES**

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APPENDIX F: STRATEGY + ADVANTAGES

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SHEET NUMBER: THE END
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THE END

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SHEET NUMBER:  
APPENDIX F: STRATEGY + ADVANTAGES

## READING THIS REQUIRES SOME KIND OF DEDICATION

IF IT BOTHERS YOU, SAY SO AND PROPOSE AN ALTERNATE. BECAUSE I HAVE NOT: HEARD, READ, OR LIVED ONE THAT FOCUSES ON LIVING SMALLER WITHIN A SUBURBAN ENVIRONMENT OUTSIDE OF A TOUCH OF JAPANESE CULTURE. DEFINITELY NOT WHILE WATCHING AMERICAN NEWS WHICH IS A PARADE OF POOR SOLUTIONS AND SPIKES THAT LEAD TO SHARP FALLS; OR FUSES THAT GO ON FOREVER. THIS SITE IS A PROPOSAL, AND THERE ARE LAWS + PEOPLE WITH ENTRENCHED SUPERSIZED LIFESTYLES THAT PREVENT THE WORK AND LIMIT THEIR OWN HAPPINESS AS WELL AS YOURS. 300X3 WAS WRITTEN BY A 1985 BORN MALE IN 2023. AN ATTEMPT HAS BEEN MADE TO PROVIDE A VIEWPOINT WITH RESPECT FOR FEMALES AND THOSE WHO CARE ABOUT BUILDING WEALTH WHILE FABRICATING AND PUSHING THEIR LIMITS. NOT JUST SAVING MONEY, ALTHOUGH REMAINING FRUGAL IS CLEARLY IMPORTANT. THE SITE IS NOT INTENDED TO BE GENDER NEUTRAL OR FEMINIST, OR MASCULINE, BUT RATHER - TRUE & DEFENSIBLE.

WORDS THAT ARE DEFINISBLE MUST PRIMARILY BE LITERAL - LITERAL WORD USE MAKES SENSE BECAUSE IT CREATES BOUNDARIES TO START WITHIN. TROPOLOGICAL (MORAL), ALLEGORICAL (SYMBOLIC / MUCH MORE), AND ANAGOGICAL (FUTURE ORIENTED) WORD USE CHANGES THOSE BOUNDARIES SIGNIFICANTLY - TO THE POINT WHERE ONLY CERTAIN PEOPLE WILL UNDERSTAND. EVENTUALLY TURNING LANGUAGE INTO SOMETHING AS COMPLEX AS FEELING OR EVEN SPIRITUALITY, WHICH YOU AND I CANNOT CONTROL. GREAT WORKS REQUIRE ALL FOUR OF THESE METHODS, AND FRANKLY - THERE IS ONLY ONE BOOK WORTH SPENDING THAT TIME ON.

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## INTENT (THE HEART) IS WHAT MATTERS

BECAUSE WITHIN CONTEXT EVEN WEBSTER DEFINITIONS MISS MANY THINGS. INITIALLY, THE MOST LITERAL UNDERSTANDING OF A WRITING IS REQUIRED IN ORDER FOR US TO COMMUNICATE. ANYTHING ELSE, AND WE ARE NOT SPEAKING THE SAME LANGUAGE OR WE MIGHT AS WELL COMMUNICATE THROUGH OUR WORK AT A DEEPER LEVEL. OTHERWISE, WRITING IS NOT REQUIRED - BUT IT DOES PROVIDE A STANDARD THAT WE CAN COMPARE AND CONTRAST AGAINST IN ORDER TO DEVELOP AN ORDERLY SOCIETY AND TO ADDRESS ITS SYSTEMIC ISSUES. HOWEVER TODAY - WE ABUSE IT, AND MEDIA ALIKE. AN AGGRESSIVE EXAMPLE: THE WORD "BITCH" LITERALLY MEANS A FEMALE DOG, BUT IS MOST OFTEN USED BY MEN TOWARDS OTHER MEN OR IN RELATION TO ACTIONS AND OTHER NOUNS IN ORDER TO CALL THEM WEAK OR DIFFICULT. VERY FEW PEOPLE CALL EACHOTHER A "BITCH" TODAY. A DICTIONARY LEAVES OUT ALL KINDS OF COLOQUIALISMS AND SLANG, LET ALONE THE 3 METHODS OF WORD USE MENTIONED EARLIER. MAKING WORD USE - A BIT DANGEROUS, EVEN WHEN IT'S THE SAME LANGUAGE OR THE SAME WORD. THE MORE WE USE FIGURATIVE LANGUAGE IN EVERY DAY SPEECH, THE MORE WE SPEAK GIBBERISH TO EACH-OTHER. "CODES" IN LANGUAGE AND MOST SYMBOLISM ARE BOGUS, ESPECIALLY WHEN PEOPLE BEGIN TO THINK THEY ARE UNDERSTOOD. THOSE CODES CHANGE OVER HOURS, MINUTES, AND CERTAINLY - DAYS, WEEKS, AND AGES. EVEN THEN, DIFFERENT PEOPLE USE WORDS DIFFERENTLY. THEREFORE - ANYTHING EXCEPT LITERAL WORD USE AND INTENT, OR A WILLINGNESS TO BE COMPLETELY MISUNDERSTOOD AND FOR COMMUNICATION IN GENERAL TO BE USELESS IS REQUIRED. COMMUNICATION REQUIRES WANTING TO BE UNDERSTOOD AND WANTING TRUTH.

SHEET NUMBER:  
DEDICATION, INTENT, LITERAL WORD USE

## BREAKING LITERAL WORD USE

THIS BOOK USED TO OPEN WITH: "IT'S NOT A TRY YOU BITCH, NO DOGS." WHEN TAKEN LITERALLY - THIS MEANS ABSOLUTELY NOTHING. THIS PHRASE CONFLICTS WITH ITSELF. HOW YOU TAKE IT IS UP TO YOU AND IS BASED ON YOUR OWN INTENT OR BELIEF. THE SIMILARITY TO "TRIATHLON" IS A PLAY ON WORDS THAT IS ALSO UP TO YOUR OWN INTERPRETATION, NOT MINE. MY OWN INTENT: IMPLY THAT WORKING OUT FOR A TRIATHLON (WHILE #1 IN TERMS OF POPULARITY IN SAN DIEGO) - IS COMPARATIVELY A WASTE OF TIME BECAUSE THERE IS NO RELATION TO OTHER SHARED GOALS THAT FOCUS ON ENGINEERING AND BUSINESS DEVELOPMENT OR A SUSTAINABLE WAY OF LIFE BEYOND FITNESS THAT CAN BE PURSUED IN OTHER WAYS. LIKE SO MUCH POP CULTURE A TRIATHLON IS A GENERALLY WORTHLESS AND SEVERELY OVERPRICED EVENT THAT PROVIDES ACCESS TO AREAS THAT SHOULD ALREADY BE ACCESSIBLE. WHY? BECAUSE YOU ARE CONSUMING OTHER PEOPLES' WORK, YOU ARE FOLLOWING, AND YOU ARE COMMITTING AN ENORMOUS PART OF YOUR LIFE TO AN ATHLETIC VACATION IN ORDER TO MOTIVATE YOU TO WORKOUT FOR A SHORT PERIOD OF TIME INSTEAD OF A LONGER LIFESTYLE CHANGE THAT ALSO REQUIRES YOU TO CHALLENGE OTHER PARTS OF SOCIETY AS THEY EXIST ALREADY. WALKABLE AND BIKABLE CITIES EXIST BECAUSE OF THE PEOPLE WHO TRY TO MAKE THAT CHANGE, ALONG WITH THOSE WHO DON'T NECESSARILY HAVE A CHOICE. THIS ELEVATOR PITCH IS CHEAP ART MADE IN THE HOPES THAT YOU BECOME ANGRY ENOUGH TO READ MORE AS VERY FEW PEOPLE WILL EVER COMMIT TO THE PERSONAL LIFESTYLE CHANGES REQUIRED IN ORDER TO REPAIR OUR NATION AND SOCIETY, THAT IS WHAT THIS SITE AND WORK ARE ABOUT.

Sat, 2024/May/18 16:16

**HENCE WHY THIS SITE FOCUSES ON LIFESTYLE**

AND IS PUBLISHED FOR FREE WITH DESIGN DOCUMENTATION. ANY SALES / BUSINESS NEEDS TO BE "ON THE SIDE", NOT "UNDER THE CHURCH ROOF" IN ANY WAY. THERE IS A HUGE DIFFERENCE FROM ENABLING PEOPLE TO DO WORK IN RELATION TO CHRISTIANITY AND SAYING THAT YOUR WORK IS CHRISTIANITY, WHEN IT ISN'T. REFLECT ON THIS - HOW DOES THIS DOCUMENT PROMOTE BUSINESS WITH CHRISTIANITY? AND WHY HASN'T ANYONE EMAILED TO SAY - "CHANGE THIS, THAT, OR THE OTHER?" PERHAPS THEY WILL WHEN AND IF THESE PRODUCTS SELL ELSEWHERE OR AFTER THEY ARE NO LONGER ABLE TO MANAGE A COMPETING BUSINESS OR UPCOMING CHANGE OF SOME KIND, OR IF THIS CONTENT BECOMES MORE COMMON PLACE IN THEIR OWN ORGANIZATIONS.

"EVERYTHING IS OK AS LONG AS WE MAKE IT GENERIC, POSITIVE, PALPABLE, AND COVERED WITH CHRIST'S NAME" - THAT IS GENERALLY WHAT I SEE ALONG WITH PRETENDING TO DEAL WITH PROBLEMS, THEN COMPLAINING THAT IT COSTS TOO MUCH, THEN FINDING SOMEONE ELSE TO DO THE WORK WE ARE HIRED TO DO FOR LESS MONEY. HOWEVER - THAT METHOD, IS ABOUT TO DIE WELL BEFORE 2100 AND I WOULD ARGUE - WITHIN A DECADE OR TWO AT MOST. THE GUY AT THE LIBRARY MUTTERED "1984" LIKE ITS A DAILY TOPIC OF CONVERSATION AND I COULDN'T STOP LAUGHING - IT SHOULD BE, THAT'S WHY THE BOOK IS A GREAT READ AND IT'S MORE RELEVANT TO THE UNITED STATES TODAY THAN EVER BEFORE - REGARDLESS OF YOUR POLITICAL PREFERENCES.

**AUTHORITY IN THE UNITED STATES AND MOST ANY OTHER NATION IS HIGHLY QUESTIONABLE**

BECAUSE OF RAPIDLY CHANGING LOOSE POP CULTURE AND USE OF RANDOM DEFINITIONS "DOUBLESPEAK" IN ORDER TO SUPPORT A WAY OF LIFE THAT DOES NOT MAKE SENSE AT ANY GIVEN TIME; IN ADDITION TO FISCAL IRRESPONSIBILITY AND CLAIMS OF THE OPPOSITE. THE END RESULT - AUTHORITY CONFLICTS WITH THE BEDROCK THAT WAS SET TO SUPPORT IT. LOCALLY THAT IS: THE US CONSTITUTION, THE DECLARATION OF INDEPENDENCE, AND THE OATH OF US CITIZENSHIP ALONG WITH MANY OTHER PROFESSIONAL OATHS. NONE OF WHICH PEOPLE HOLD TO, AND WHICH THEY USE TO SHORE UP THEIR OWN LAWS/RULES THAT DO NOT MEET THE REQUIREMENTS OF THIS BEDROCK. PEOPLE PREFER EASY ANSWERS, AND THE MANURE THAT WE CHOOSE TO BUILD ON TOP OF WHICH MUST SUPPORT THAT BEDROCK WITHOUT CONFLICTING WITH THE GARBAGE LAW & GOVERNMENT THAT PRETENDS TO SIT ON TOP OF IT.

YOU KNOW THAT DOGS FOLLOW, TAKE ORDERS, HAVE SHORT TEMPER, EAT ANYTHING, AND YOU CLEAN UP THEIR SHIT. THIS IS SIMILAR TO HOW DOLLS HOLD WHATEVER POSITION YOU POSE THEM IN - THEY DO WHAT THEY ARE TOLD TO DO UNLESS TRAINED BADLY. DO NOT BE EITHER OF THESE, THINK INDEPENDENTLY AND IN AN INFORMED MANNER. WHAT IS WRITTEN ON THIS WEBSITE IS FACTUAL - IT IS INTENDED TO PUSH BACK AGAINST BLOATED AND ENTRENCHED GROUPS WHILE MAINTAINING THE DEVELOPMENT OF ENGINEERING. CHANCES ARE YOU DO NOT WANT TO PUSH BACK THAT HARD AND PREFER TO WORK ALONGSIDE FALSE LAWS INSTEAD OF AS AN INDEPENDENT OR A SUPPORTER OF THE BEDROCK THOSE LAWS ARE BUILT ON. THINK FOR YOURSELF REGARDLESS.

**THE AUTHOR - SCOTT  
(LIKE THE TOILETPAPER, OR THE  
FERTILIZER, NOT THE FUSION TREKKY  
ENGINEER)**

I MADE THIS (ALL OF IT) - ESPECIALLY THE BAD PARTS. OTHERWISE, IT HAS BEEN ATTRIBUTED TO ORIGINAL AUTHORS WHERE GENERALLY EXPECTED WITHIN THE BODY OF THE SENTENCES AND PARAGRAPHS.

I DO NOT CONTROL IT, I STILL WORK ON IT, I SHARE MUCH OF IT. "IT" IS HERE REGARDLESS, AND "IT" IS EASY TO COPY WITHOUT ATTRIBUTION - I HOPE YOU CHOOSE NOT TO BECAUSE YOU WILL BE DOING THE WORK AND YOURSELF A DISSERVICE. INSTEAD, HELP ME / LETS HELP EACH-OTHER DO SOME PORTION OF THIS WORK AND TO ASSURE THAT PORTIONS OF IT ARE DONE IN TIME. THERE IS A BEGINNING, A MIDDLE, AND AN END TO THIS WORK AS IT IS TRANSITIONED INTO USE FOR OTHER INDUSTRY.

THE CITY IS A PROSTITUTE WHETHER YOU WANT IT TO BE OR NOT (THAT MEANS IT/WE WILL DO ANYTHING FOR MONEY OR POWER) - WORK TO GET OUTSIDE OF THAT BOX, OR AT LEAST TO MOVE THE WALLS AND CREATE A DOOR WITH AN EXIT SIGN. THE ONLY WAY TO DO THAT THOUGH - IS THROUGH PROPITIATION AND BELIEF IN CHRIST AS HE IS THE ONLY ONE WHO CAN KEEP A LID ON ALL THIS SHIT WHILE ALLOWING US TO LIVE AND GROW SOMETHING FRUITFUL. THERE IS NO REPLACEMENT, HE IS THE ONLY ONE WHO HAS SUFFERED WHILE LOVING AND LIVING WITHOUT FAULT - THAT SUFFERING IS BEYOND EXTREME, ESPECIALLY TODAY. THERE IS NO REPLACEMENT OR STAND-IN FOR HIM, WHATSOEVER.

## MORE AUTHOR

I AM NOT A "GOOD PERSON", NOR AM I A PASTOR OF ANY KIND AND WE ALL HAVE LIMITS ON THE HELP WE OFFER OTHERS. DO NOT EXPECT THAT HERE UNLESS YOU READ WHAT IS WRITTEN CRITICALLY AND ARE WORKING TO MAKE WHERE YOU ARE A BETTER PLACE. I EXPECT INDEPENDENT OPERATION IN RELATION TO THESE IDEAS, BECAUSE THEY ARE TOO BIG FOR ONE PERSON TO CONTROL.

RELIGION IS EMPHASIZED BECAUSE OF CONSTANT FAILURE WITHOUT IT AND FALLING FURTHER IF IT ISN'T THERE FOR US.

KNOWLEDGE OF GOD TAKES A LIFETIME, I KNOW VERY LITTLE AND HAVE ONLY READ THE BIBLE A SINGLE TIME AS OF 2023. MY SOUL IS STAKED ON IT, ON CHRIST'S SUFFERING, AND PERHAPS MORE IMPORTANTLY TO OTHERS - I AM WILLING TO FACE DEATH FOR THIS BELIEF. HOWEVER, NOT AS A WARRIOR AS MANY SAN DIEGANS DO DAILY, AND WHICH I STILL BELIEVE SHOULD BE DONE DIFFERENTLY AS SMALLER SHIPS & EQUIPMENT WITH SIMULTANEOUS RESIDENTIAL & COMMERCIAL APPLICATIONS - "MINUTEFAMILIES" AS OPPOSED TO "MINUTEMEN" OR MILITARY MEN ALONE. THAT IS THE TRUE PURPOSE OF THIS WEBSITE, LIFESTYLE CHANGE. THOSE OF YOU WHO CAN SHOW LOVE FOR YOUR NEIGHBOR AS YOURSELF WITHOUT GIVING ATTRIBUTION TO MY WORK (AS IN YOU EXPECT THE SAME FOR YOURSELF AND OTHERS) -PLEASE COPY AND FABRICATE MY FILES.

OTHERWISE, IF YOU INTEND ONLY TO HELP YOURSELF AND TO SEPARATE THIS WORK FROM ANY DIRECT RELATION TO CHRIST AS GOD THEN YOU MAY NOT USE IT. THAT MEANS - PROMOTE CHRISTIANITY AS IT IS PRESENTED WITHIN THIS DOCUMENT AND CLEAR PROTESTANT LUTHERANISM AS PRESENTED AND DEFENDED BY MARTIN LUTHER.

## HOW TO REPLACE THIS AUTHOR!

TAKE A KNEE

AT WORK, AT A DESK, OUTSIDE, AT HOME, AT CHURCH. DO IT NEXT TO SOMEONE ELSE.

KILL THE OLD ADAM SEVERAL TIMES A DAY, THE OLD VERSION OF OURSELVES THAT WE DON'T ACTUALLY WANT TO BE.

TELL PEOPLE THE TRUTH ABOUT MORE; ESPECIALLY WHAT IS HARMFUL TO OTHERS BECAUSE OF COST, REGULATION, OR INTENT.

OTHERWISE

- 10 YEARS CAMPING AND HIKING
- 5 YEARS COMMERCIAL CONSTRUCTION PROJECT MANAGEMENT
- 5 YEARS BUILDING INFORMATION MODELING & DIRECT MANAGEMENT OF ARCHITECTS + ENGINEERS
- 12 YEARS TINY HOME SHIPPING CONTAINER DESIGN, 1.5 UNITS BUILT OUT COMPLETELY
- 5 YEARS PUBLIC ADMINISTRATION AND CITY PLANNING EDUCATION.
- 5 YEARS TENANT IMPROVEMENT & HANDYMAN
  - 10+ YEARS INFORMATION TECHNOLOGY
  - 4 SEASONS BURNINGMAN/FESTIVALS & 2 YEAR LIVE-IN ART/FABRICATE WAREHOUSE.
  - 5 YEARS PART-TIME SMALL BUSINESSES
- 2 YEARS PART-TIME STARTUPS FOCUSING ON DATA INTEGRATION BETWEEN SYSTEMS +DRONES
  - 10 YEARS SMALL LIVING (CAR, BOAT, SHIPPING CONTAINER, DORM, POOL HOUSE/OFFICE) @ UNDER 200 SF
- READ THE BIBLE ONE TIME, THEN FIND A HIGHLY EDUCATED PASTOR, REVEREND, AND SEVERELY DEDICATED CONGREGATION
- REFUSAL TO DO THINGS ONE WAY, PURSUE 2-3 WAYS

IF YOU ARE NOT READING THIS, THEN I WILL NOT WORK WITH YOU. I AM RIGHT, AND YOU ARE WRONG - OR PROVE SOMETHING ELSE IN WRITING; OTHERWISE YOU DON'T BELIEVE STRONGLY ENOUGH IN WHAT YOU ARE SAYING, AND YOU ARE HIDING IT FROM OTHER PEOPLE IN AN ATTEMPT TO MANIPULATE THEM. DO

YOU HAVE A STRONG BELIEF OR COUNTERPOINT THAT IS CRITICAL? THIS IS BEING REPACKAGED AND DISTRIBUTED REGULARLY, CHANGE MY MIND. I AM OPEN TO CRITIQUE, ESPECIALLY WHEN FACTUAL, AND WITH A CLEARLY COMMUNICATED MOTIVE OR CONFIRMATION OF NO MOTIVE.

I'M BUILDING A BOAT!  
NO EXPENSIVE SPACE (ALL DEFINITIONS) AT THE BEGINNING, OR THE END.  
KEEP IT GROUNDED (A METAPHOR)  
\*GPS IS TOUGH TO GET RID OF, CONSIDER REAL-TIME-KINEMATIC + SIGNALS-OF-OPPORTUNITY (ENGINEERING.)

YES, THAT'S SOME CRAZY NOAH-NESS.  
I AINT HIM, AINT GOD, AINT AINT A WORD.  
IM JUST A PROTEST-ANT (FUN WITH WORDS.)  
REVOLUTION - NO, REFORMATION!  
(ALLITERATION)

USING EXISTING TOOLS THE WAY THEY ARE SUPPOSED TO BE USED.

RIGHT TOOL FOR THE JOB (MANTRA.)  
JUST CONNECTING THE DOTS HERE,  
STOP MAKING IT DIFFICULT

DO IT AGAIN:  
ERG: 5K METER, BELOW 2 MINUTE SPLIT (500M), BIKE TO WORK, SWIM TO STRETCH. THEN 300 MILES IN 3 DAYS.  
WHY? IT'S SUPPOSED TO BE A LIFESTYLE, AND I LIKE TO HAVE A LITTLE CASH ON ME.

SCOTT WALTER WIDMANN  
300X3@POSTEO.NET

Sat, 2024/May/18 16:16

**ORGANIZATIONS CONTACTED**

- SAINT LUKE'S LUTHERAN CHURCH  
- LA MESA LIBRARY  
- CITY OF LA MESA  
- SAN DIEGO COUNTY  
- CITY OF CORONADO  
- MISSION TRAILS REGIONAL PARK - LAKE MURRAY PRIMARILY  
- U.S. NAVY BASE CORONADO  
- SURFRIDER FOUNDATION  
- SOUTHERN CALIFORNIA TRIBAL CHAIRMEN'S ASSOCIATION  
- U.S. DEPARTMENT OF THE INTERIOR  
- ADOBE  
- NEMETSCHEK, BLUEBEAM  
- NASA  
- SCRIPPS AQUARIUM  
- ARMY CORP OF ENGINEERS  
- COSTCO, LA MESA.  
- CAMP PENDLETON MARINES  
- HORNBLOWER YACHTS  
- LUTHERAN CHURCH MISSOURI SYNOD  
- U.S. AIR FORCE  
- AMERICAN RED CROSS  
- SAN DIEGO BLOOD BANK  
- GENERAL PUBLIC NEAR LA MESA - FLYERS  
- PASADENA ART COLLEGE  
- ADULT STORES AND PORNOGRAPHY WEBSITES: JOLARS ON UNIVERSITY AVE, FETLIFE, POINT LOMA'S ADULT DEPOT, XHAMSTER, KINK, SAN DIEGO'S "THE LIVING CHURCH"  
- "SOCIAL" MEDIA: FACEBOOK, INSTAGRAM, LINKEDIN  
- AGC  
- AIA  
- ASHRAE  
- IBEW  
- NASCO

- DEFENSE: GD, LOCKHEED, BOEING  
- AIR AND SPACE MUSEUM  
- SMACMA  
- ISO  
- HEARTLAND FIRE  
- SPHERO  
- JOHN DEERE  
- HUMANE SOCIETY  
- MAKE MAGAZINE  
- COLLEGES: SDSU, UCSD, USC  
- VOICE OF SD  
- MTS  
- SDGE  
- RAND

WHY CONTACT THESE ORGANIZATIONS BY EMAIL, WEB PLATFORM, MEDIA TAG OR OTHERWISE? SO THEY ARE AWARE OF THIS EFFORT, SO THAT I DON'T HAVE TO HEAR "YOU BLINDSIDED US, YOU SABOTAGED US, YOU ATTACKED US!", SO I HAVE SOMETHING TO FALL BACK ON AND SAY "I SENT THIS TO YOU AHEAD OF TIME, YOU SHOULD HAVE RESPONDED THEN - YOUR INABILITY TO DO SO SHOWS THAT YOU ARE NOT A LEADER IN THIS FIELD," AND SO PEOPLE WHO ARE STUCK IN THOSE NETWORKS HAVE AN OPPORTUNITY TO LEARN ABOUT A WAY OUT OF THEM AND TO ADDRESS THE SOCIAL AS WELL AS REGULATORY ISSUES THAT PREVENT MORE OF US FROM DOING SO. SIMPLY - TO ENCOURAGE CHANGE TOWARDS SMALLER AND MORE INDEPENDENT IN A WAY THAT SUPPORTS HIGHER VALUE AND UTILITY WHILE MAINTAINING A PURSUIT OF FAITH.

AND JUST AS IMPORTANTLY - TO LEARN FROM THE WORK THEY HAVE DONE THAT STANDS ON ITS OWN. TO FIND VALUE IN SPECIFIC ITEMS THAT WE CREATE AND TO SUPPORT THOSE WHO ARE DEVELOPING OR HAVE DEVELOPED THEM IN SPITE OF WHAT IS AROUND THEM.

**ADDITIONAL LINKS**

**SOFTWARE**

INSTALLATION FILES FOR OLDER VERSIONS  
<https://u.pcloud.link/publink/show?code=kZQxXIVZRY39BjDi2fJ0Fs4W9s3XCyJvV9rk>

**VIDEO RECORDINGS**

PRESENTATIONS - OLD & NEW  
<https://u.pcloud.link/publink/show?code=kZbOcIVZpV4x3OeQD95ELXinxWSSp4DqC03V>

**TRIMBLE SKETCHUP WAREHOUSE**

3D MODEL - SKETCHUP  
<https://3dwarehouse.sketchup.com/manage/user/0856206458011466595955837?pg=1>

**2D SKETCHES & PHOTOS**

SKETCHUP LAYOUT & IMAGES  
<https://u.pcloud.link/publink/show?code=kZlJWj0ZN7LrTRqARbkogmPfOCNy9HRohnBk>

**3D DESIGN FILES**

SKETCHUP MODEL  
<https://u.pcloud.link/publink/show?code=kZ79boVZ1YI3Y3SM6H6lxtzwPLquYOChak>

**INSTRUCTABLES**

LESSONS LEARNED & FABRICATION METHOD  
<https://www.instructables.com/20-MODULAR-SHIPPING-CONTAINER-BUILDING-INTERIOR-FU/>

**SPEAKER**

AUDIOBOOK - LINKS TO VARIOUS OTHERS  
<https://www.speaker.com/cms/shows/6179601/dashboard?filter=NETWORK&network=17718264>



## COMMENTS

A. EXAMPLE OF A KIND COMMENT: I HATE WHEN PEOPLE HARASS OTHER PEOPLE THROUGH THEIR SPIRIT, ESPECIALLY THROUGH MANIPULATION OF THEIR BODY IN SOME WEIRD WAY - JUST LIKE YOU DO. THANKS FOR IDENTIFYING WITH ME. I THOUGHT I WAS GOING CRAZY.

B. EXAMPLE OF A USELESS COMMENT: LOOK AT THIS GARBAGE CONTENT, AGGRESSIVELY WRITTEN, AND UNFINISHED ENGINEERING THAT WILL NEVER BE BUILT - THESE ARE THE WORDS OF A PROBLEM CHILD AND AN ANARCHIST WHO UNDERSTANDS NOTHING.

C. EXAMPLE OF A GREAT COMMENT: YOU ARE WRONG BECAUSE OF SUNK COSTS, CHANGE IS EXPENSIVE. HERE IS AN ALTERNATIVE METHOD AND DESIGN PLAN THAT SUPPORTS FABRICATION AND USE AT A LOWER COST AND HIGHER VALUE PROPOSITION. ALSO - IT WAS DESIGNED & BUILT WITH MORE FEATURES AND AT A LOWER COST THAN YOU HAVE PROPOSED; DECADES AGO BY \_\_\_\_\_ PERSON.

## MY RESPONSES

A. THANK YOU, WHAT ARE YOU WORKING ON AND HOW DOES IT RELATE?

B. OFTEN A BIBLE REFERENCE, IGNORE, OR AN EXPECTATION OF CONCRETE DETAILS ON THEIR CONFLICTING STANCE.

C. THANK YOU FOR YOUR CRITIQUE, YOU ARE EITHER 1. RIGHT OR 2 WRONG AND THIS IS WHY:

## EXPECTED CHANGES

- SHOP DRAWING REFINEMENT, 3D DESIGN DEVELOPMENT & LAYOUT ONTO 4X8 SHEETS AND OTHER STANDARD MATERIAL SIZES.

- PRODUCT INSTRUCTION MANUAL AND USE CASE DEVELOPMENT AS .PDF FILES, MAINTAIN "RULE OF THIRDS" AS SHOWCASED HERE TO SOME DEGREE, INTEGRATE TRAINING MEDIA IN 2D AND 3D FORMATS.

- WEARABLE HARDWARE INTEGRATION OF PDF INTO A 2D HUD AND SUNGLASS MONITORS AS A LAPTOP REPLACEMENT (ZERO GRAPHICS MOVEMENT) "MIXED REALITY."

- LINUX SLACKWARE, WINE FOR WINDOWS, ANDROID EMULATOR ON A SMALLER COMPUTER. SOFTWARE MOVED FROM WINDOWS TO LINUX VERSIONS.

- PHOTOGRAMMETRY SOFTWARE SETUP AND MAPPING HOST TIED TO BLOCKCHAIN RELATED PHOTO UPLOAD METHOD.

- SAME SYSTEM SETUP FOR BLOCKCHAIN SALES PORTAL: WORKORDER, PHOTO, PURCHASE LINK, RECEIPT BEHIND A PDF FRONT PAGE.

- REPLACE GOOGLE VOICE WITH A FREE VOICE OVER IP OPTION (HARDWARE OR SOFTWARE BASED AND WITH TEXT MESSAGING.) ENSURE INTEGRATION WITH A SMART WATCH - PROBABLY TIZEN, NOT GOOGLE WEAR OR APPLE WATCH.

- REVISIT A COMMUNICATIONS NETWORK AND TRANSPORT AT HIGHER ALTITUDE - PROBABLY IN MY OLD AGE. OTHERWISE AVOID SPACE UNLESS SUPPORTING THE WORK OF OTHERS WHO ACHIEVE VALUE + UTILITY IN RELATION TO IT AND WITHOUT GOVERNMENT SUBSIDIES INCLUDING NASA CONTRACTS.